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IOWA UTILITIES BOARD

2008 Iowa Energy Efficiency Plan Filing - Sales and Customer Figures

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Iowa	Estimated Spending	2007 Rate Impact/ kWh	Average Annual Bill Impact	Plan Spending	2009 Rate Impact/ kWh	Average Annual Bill Impact	Estimated Change in Spending	Percentage Change in Spending	Change in Bill Impact by Program
Residential Electric	\$2,459,871	\$0.00046	\$4.56	\$3,889,000	\$0.00073	\$7.02	\$1,429,129	58.10%	\$2.46
Residential Equipment	\$1,423,054	\$0.00026	\$2.63	\$1,295,000	\$0.00024	\$2.34	-\$128,054	-9.00%	-\$0.29
Residential New Construction	\$2,390,762	\$0.00044	\$4.43	\$2,342,000	\$0.00044	\$4.23	-\$48,762	-2.04%	-\$0.20
Residential Load Management	\$3,177,993	\$0.00059	\$5.88	\$3,832,000	\$0.00071	\$6.91	\$654,007	20.58%	\$1.03
Critical Peak Pricing Pilot				\$693,000	\$0.00013	\$1.25	\$693,000	N/A	\$1.25
Appliance Recycling				\$403,000	\$0.00008	\$0.73	\$403,000	N/A	\$0.73
Low Income	\$460,355	\$0.00009	\$0.85	\$843,000	\$0.00016	\$1.52	\$382,645	83.12%	\$0.67
Multifamily				\$186,000	\$0.00003	\$0.34	\$186,000	N/A	\$0.34
Agriculture				\$34,000	\$0.00001	\$0.06	\$34,000	N/A	\$0.06
Renewable Energy				\$0	\$0.00000	\$0.00	\$0	N/A	\$0.00
Third Party Programs				\$15,000	\$0.00000	\$0.00	\$16,000	N/A	\$0.00
Education				\$823,000	\$0.00015	\$1.49	\$823,000	N/A	\$0.03
Trees	\$113,104	\$0.00002	\$0.21	\$117,670	\$0.00002	\$0.21	\$4,566	4.04%	\$1.49
Assessments	\$465,771	\$0.00009	\$0.86	\$510,040	\$0.00010	\$0.92	\$44,269	9.50%	\$0.00
Total	\$10,490,910	\$0.00195	\$19.42	\$14,983,710	\$0.00280	\$27.05	\$4,492,800	42.83%	\$0.06
Estimated kWh	5,381,790,000			5,360,600,431					\$7.63
EECR factors (\$/kWh)	\$0.00195			\$0.00280			\$0.00085		
Estimated Number of Customers	540,093			553,994					
Bill Impact (spending/customer)	\$19.42			\$27.05			\$7.62		

2008 Iowa Energy Efficiency Plan Filing - Sales and Customer Figures

(a)	(b)		(c)		(d)		(e)		(f)		(g)		(h)		(i)		(j)	
	Estimated Spending	2007 Rate Impact/therm	Average Annual Bill Impact	Plan Spending	2009 Rate Impact/therm	Average Annual Bill Impact	2009 Rate Impact/therm	Average Annual Bill Impact	Estimated Change in Spending	Percentage Change in Spending	Change in Bill Impact	by Program						
Iowa																		
Residential Gas																		
Residential Equipment	\$3,421,744	\$0.00914	\$6.93	\$3,858,000	\$0.00956	\$7.64	\$3,858,000	\$0.00956	\$436,256	12.75%	\$0.72							
Residential Audit	\$2,819,308	\$0.00753	\$5.71	\$3,482,000	\$0.00862	\$6.89	\$3,482,000	\$0.00862	\$662,692	23.51%	\$1.18							
Residential New Construction	\$4,490,168	\$0.01199	\$9.10	\$4,238,000	\$0.01049	\$8.39	\$4,238,000	\$0.01049	-\$252,168	-5.62%	-\$0.71							
Residential Load Management				\$0	\$0.00000	\$0.00	\$0	\$0.00000	\$0	N/A	\$0.00							
Critical Peak Pricing Pilot				\$0	\$0.00000	\$0.00	\$0	\$0.00000	\$0	N/A	\$0.00							
Appliance Recycling				\$0	\$0.00000	\$0.00	\$0	\$0.00000	\$0	N/A	\$0.00							
Low Income Multifamily	\$1,729,062	\$0.00462	\$3.50	\$1,666,000	\$0.00412	\$3.30	\$1,666,000	\$0.00412	-\$63,062	-3.65%	-\$0.19							
Agriculture				\$560,000	\$0.00140	\$1.11	\$560,000	\$0.00140	\$560,000	N/A	\$1.11							
Renewable Energy				\$0	\$0.00000	\$0.00	\$0	\$0.00000	\$0	N/A	\$0.00							
Third Party Programs				\$58,000	\$0.00000	\$0.00	\$58,000	\$0.00000	\$0	N/A	\$0.00							
Education				\$893,000	\$0.00014	\$0.11	\$893,000	\$0.00014	\$58,000	N/A	\$0.11							
Trees	\$187,190	\$0.00050	\$0.38	\$178,890	\$0.00021	\$1.77	\$178,890	\$0.00021	\$893,000	N/A	\$1.77							
Assessments	\$436,540	\$0.00117	\$0.89	\$497,810	\$0.00044	\$0.35	\$497,810	\$0.00044	-\$61,270	-4.43%	-\$0.03							
Total	\$13,084,012	\$0.03495	\$26.51	\$15,431,700	\$0.03821	\$30.55	\$15,431,700	\$0.03821	\$2,347,688	17.94%	\$4.06							
Estimated therms	374,314,722			403,880,771			403,880,771											
EECR factors (\$/therm)	\$0.03495			\$0.03821			\$0.03821		\$0.00326									
Estimated Number of Customers	493,616			505,075			505,075											
Bill Impact (spending/customer)	\$26.51			\$30.55			\$30.55		\$4.05									

Allocation
2008 Iowa Energy Efficiency Plan Filing - Sales and Customer Figures

2009 Base Case Electric	Total	Residential	Nonresidential	Lighting
Allocate Nonprogram Expenditures				
Trees	\$287,000	41%	58%	1%
Assessments	\$1,244,000	\$117,670	\$166,460	\$2,870
Total	\$1,531,000	\$627,710	\$887,980	\$12,440
Residential and Commercial Direct Program Expenditures	\$38,019,000	\$14,356,000	\$23,663,000	\$0
Total Electric Expenditures	\$39,550,000	\$14,983,710	\$24,550,980	\$15,310

The budgeted electric nonresidential program expenditures are reduced by expenditures recovered through base rates

Gas	Total	Residential	Nonresidential
Allocate Nonprogram Expenditures			
Trees	\$267,000	67%	33%
Assessments	\$743,000	\$178,890	\$88,110
Total	\$1,010,000	\$676,700	\$333,300
Residential and Commercial Direct Program Expenditures	\$17,972,000	\$14,755,000	\$3,217,000
Total Gas Expenditures	\$18,982,000	\$15,431,700	\$3,550,300

Item 2c: 1.5 Percent Scenario – Rate Impacts

2008 Iowa Energy Efficiency Plan Filing - Sales and Customer Figures

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Iowa	Estimated Spending	2011 Base Case Rate Impact/therm	Average Annual Bill Impact	Plan Spending	2011 at 1.5% Rate Impact/therm	Average Annual Bill Impact	Estimated Change in Spending	Percentage Change in Spending	Change in Bill Impact by Program
Residential Gas									
Residential Equipment	\$4,960,000	\$0.01220	\$9.59	\$26,600,000	\$0.06666	\$51.45	\$21,640,000	436.29%	\$41.86
Residential Audit	\$3,738,000	\$0.00918	\$7.23	\$8,987,000	\$0.02252	\$17.39	\$5,249,000	140.42%	\$10.16
Residential New Construction	\$4,534,000	\$0.01115	\$8.77	\$16,401,000	\$0.04110	\$31.73	\$11,867,000	261.73%	\$22.96
Residential Load Management	\$0				\$0.00000	\$0.00	\$0	N/A	\$0.00
Critical Peak Pricing Pilot	\$0				\$0.00000	\$0.00	\$0	N/A	\$0.00
Appliance Recycling	\$0				\$0.00000	\$0.00	\$0	N/A	\$0.00
Low Income	\$1,741,000	\$0.00428	\$3.37	\$1,816,000	\$0.00455	\$3.51	\$75,000	4.31%	\$0.14
Multifamily	\$567,000	\$0.00139	\$1.10	\$642,000	\$0.00161	\$1.24	\$75,000	13.23%	\$0.14
Agriculture	\$0				\$0.00000	\$0.00	\$0	N/A	\$0.00
Renewable Energy	\$0				\$0.00000	\$0.00	\$0	N/A	\$0.00
Third Party Programs	\$478,000	\$0.00118	\$0.92	\$496,000	\$0.00124	\$0.96	\$18,000	3.77%	\$0.04
Education	\$1,218,000	\$0.00300	\$2.36	\$2,436,000	\$0.00610	\$4.71	\$1,218,000	100.00%	\$2.35
Trees	\$186,930	\$0.00046	\$0.36	\$188,000	\$0.00047	\$0.36	\$1,070	0.57%	\$0.00
Assessments	\$523,270	\$0.00129	\$1.01	\$523,000	\$0.00131	\$1.01	-\$270	-0.05%	\$0.00
Total	\$17,946,200	\$0.04413	\$34.71	\$56,089,000	\$0.14556	\$112.36	\$40,142,800	223.68%	\$77.65
Estimated therms	406,659,202			399,070,628					
EECR factors (\$/therm)	\$0.04413			\$0.14556			\$0.10143		
Estimated Number of Customers	517,008			517,008					
Bill Impact (spending/customer)	\$34.71			\$112.36			\$77.64		

Allocation
2008 Iowa Energy Efficiency Plan Filing - Sales and Customer Figures

	Total	Residential	Nonresidential	Lighting
2011 Base				
Gas				
Allocate Nonprogram Expenditures		67%	33%	
Trees	\$279,000	\$186,930	\$92,070	
Assessments	\$781,000	\$523,270	\$257,730	
Total	<u>\$1,060,000</u>	<u>\$710,200</u>	<u>\$349,800</u>	
Residential and Commercial Direct Program Expenditures	<u>\$22,365,000</u>	<u>\$17,670,000</u>	<u>\$4,695,000</u>	
Total Gas Expenditures	<u>\$23,425,000</u>	<u>\$18,380,200</u>	<u>\$5,044,800</u>	
2011 at 1.5%				
Gas				
Allocate Nonprogram Expenditures		67%	33%	
Trees	\$279,000	\$186,930	\$92,070	
Assessments	\$781,000	\$523,270	\$257,730	
Total	<u>\$1,060,000</u>	<u>\$710,200</u>	<u>\$349,800</u>	
Residential and Commercial Direct Program Expenditures	<u>\$70,268,000</u>	<u>\$57,810,000</u>	<u>\$12,458,000</u>	
Total Gas Expenditures	<u>\$71,328,000</u>	<u>\$58,520,200</u>	<u>\$12,807,800</u>	

**MidAmerican Energy Company Rate Impact from
Lost Revenue in 1.5% Scenario**

Cumulative Residential Gas therm Savings through 2011	17,287,659
Average Residential Rate	\$0.16189
Annual Revenue Loss	\$2,798,699
Number of Residential Customers	517,008
Annual Revenue Loss per Customer	\$5.41
Cumulative Nonresidential Gas therm Savings through 2011	5,501,418
Average Nonresidential Rate	\$0.10480
Annual Revenue Loss	\$576,549
Number of Nonresidential Customers	52,836
Annual Revenue Loss per Customer	\$10.91