

NONRATE-REGULATED UTILITY ENERGY EFFICIENCY PLAN

Utility Name:

Sac City Municipal Utilities

Manager or
Contact Person

Jeff Fiegenschuh, City Administrator

Address

P.O. Box 37

City

Sac City

State, Zip

Iowa 50583

Telephone No.:

712-662-7593

Today's Date:

6/12/06

Reporting Period: Years 2004, 2005, 2006 and 2007

Energy Efficiency and Load Management Summary - Page 1

Program Number	Program Names	Program Number	Number of Participants			
			2004	2005	2006	2007
1	Residential Air Conditioning/Ventilation	1				
2	Residential Heating-GAS	2	9	22	12	15
3	Residential Ground Source Heat Pump	3				
4	Residential Air Source Heat Pump	4				
5	Residential Hot Water Heater ELECTRIC	5				
6	Residential Hot Water Heater GAS	6	13	15	14	14
7	Residential Cooking	7				
8	Residential Refrigerator/Freezer	8				
9	Residential Clothes Washer/Dryer	9				
10	Residential Water Heater Blanket	10				
11	Residential Low-Flow Showerhead	11				
12	Residential Lighting	12				
13	Residential Audit/Building Envelope	13				
14	Residential Load Management	14				
15	Commercial/Industrial Cooling/Ventilation	15				
16	Commercial/Industrial Heating - GAS	16	0	0	1	3
17	Commercial/Industrial Heat Pumps	17				
18	Commercial/Industrial Hot Water Heater	18	0	0	1	5
19	Commercial/Industrial Cooking	19				
20	Commercial/Industrial Refrigerator/Freezer	20				
21	Commercial/Industrial Lighting	21				
22	Commercial/Industrial Audit/Bldg Envelope	22				
23	Commercial/Industrial Motors/Processes	23				
24	Commercial/Industrial Load Management	24				
25	Customer Education	25	1125	1125	1130	1135
26	Compact Fluorescents	26				
27	Programmable Thermostat	27				
28	Faucet Aerators	28				
29	Street Lighting Replacement	29				

Extend the list of programs as needed to cover additional programs, if any.

30	Energy Plan Preparation	30	N/A	N/A	N/A	N/A
31	Energy Research Center Contributions	31	N/A	N/A	N/A	N/A
32	Other	32				
33	Other	33				

		Number of Participants			
		2004	2005	2006	2007
TOTAL:		1147	1162	1158	1172

* Other program, as needed.

Energy Efficiency and Load Management Summary - Page 2

Program Cost					Dollar Savings				
Program Number	2004	2005	2006	2007	Program Number	2004	2005	2006	2007
1					1	\$ -	\$ -	\$ -	\$ -
2	\$ 1,150	\$ 2,850	\$ 1,550	\$ 1,950	2	\$ 1,365	\$ 4,164	\$ 2,612	\$ 3,264
3					3	\$ -	\$ -	\$ -	\$ -
4					4	\$ -	\$ -	\$ -	\$ -
5					5	\$ -	\$ -	\$ -	\$ -
6	\$ 650	\$ 750	\$ 700	\$ 700	6	\$ 388	\$ 558	\$ 599	\$ 599
7					7	\$ -	\$ -	\$ -	\$ -
8					8	\$ -	\$ -	\$ -	\$ -
9					9	\$ -	\$ -	\$ -	\$ -
10					10	\$ -	\$ -	\$ -	\$ -
11					11	\$ -	\$ -	\$ -	\$ -
12					12	\$ -	\$ -	\$ -	\$ -
13					13	\$ -	\$ -	\$ -	\$ -
14					14	\$ -	\$ -	\$ -	\$ -
15					15	\$ -	\$ -	\$ -	\$ -
16	\$ -	\$ -	\$ 150	\$ 450	16	\$ -	\$ -	\$ 218	\$ 653
17					17	\$ -	\$ -	\$ -	\$ -
18	\$ -	\$ -	\$ 50	\$ 250	18	\$ -	\$ -	\$ 13	\$ 63
19					19	\$ -	\$ -	\$ -	\$ -
20					20	\$ -	\$ -	\$ -	\$ -
21					21	\$ -	\$ -	\$ -	\$ -
22					22	\$ -	\$ -	\$ -	\$ -
23					23	\$ -	\$ -	\$ -	\$ -
24					24	\$ -	\$ -	\$ -	\$ -
25	\$ 765	\$ 765	\$ 192	\$ 193	25	\$ -	\$ -	\$ -	\$ -
26					26	\$ -	\$ -	\$ -	\$ -
27					27	\$ -	\$ -	\$ -	\$ -
28					28	\$ -	\$ -	\$ -	\$ -
29					29	\$ -	\$ -	\$ -	\$ -

Extend the list of programs as needed to cover additional programs, if any.

30	\$ 357	\$ -	\$ 400	\$ -	30	\$ -	\$ -	\$ -	\$ -
31	\$ 1,279	\$ 1,230	\$ 1,250	\$ 1,250	31	\$ -	\$ -	\$ -	\$ -
32					32	\$ -	\$ -	\$ -	\$ -
33					33	\$ -	\$ -	\$ -	\$ -

Program Cost					Dollar Savings				
TOTAL:	2004	2005	2006	2007	TOTAL:	2004	2005	2006	2007
	\$ 4,201	\$ 5,595	\$ 4,292	\$ 4,793		\$ 1,753	\$ 4,722	\$ 3,441	\$ 4,580

* Other program, as needed.

Energy Efficiency and Load Management Summary - Page 3

Program kWh Savings					Program Peak kW Savings				
Program Number	2004	2005	2006	2007	Program Number	2004	2005	2006	2007
1	0	0	0	0	1	0.00	0.00	0.00	0.00
2	0	0	0	0	2	0.00	0.00	0.00	0.00
3	0	0	0	0	3	0.00	0.00	0.00	0.00
4	0	0	0	0	4	0.00	0.00	0.00	0.00
5	0	0	0	0	5	0.00	0.00	0.00	0.00
6	0	0	0	0	6	0.00	0.00	0.00	0.00
7	0	0	0	0	7	0.00	0.00	0.00	0.00
8	0	0	0	0	8	0.00	0.00	0.00	0.00
9	0	0	0	0	9	0.00	0.00	0.00	0.00
10	0	0	0	0	10	0.00	0.00	0.00	0.00
11	0	0	0	0	11	0.00	0.00	0.00	0.00
12	0	0	0	0	12	0.00	0.00	0.00	0.00
13	0	0	0	0	13	0.00	0.00	0.00	0.00
14	0	0	0	0	14	0.00	0.00	0.00	0.00
15	0	0	0	0	15	0.00	0.00	0.00	0.00
16	0	0	0	0	16	0.00	0.00	0.00	0.00
17	0	0	0	0	17	0.00	0.00	0.00	0.00
18	0	0	0	0	18	0.00	0.00	0.00	0.00
19	0	0	0	0	19	0.00	0.00	0.00	0.00
20	0	0	0	0	20	0.00	0.00	0.00	0.00
21	0	0	0	0	21	0.00	0.00	0.00	0.00
22	0	0	0	0	22	0.00	0.00	0.00	0.00
23	0	0	0	0	23	0.00	0.00	0.00	0.00
24	0	0	0	0	24	0.00	0.00	0.00	0.00
25	0	0	0	0	25	0.00	0.00	0.00	0.00
26	0	0	0	0	26	0.00	0.00	0.00	0.00
27	0	0	0	0	27	0.00	0.00	0.00	0.00
28	0	0	0	0	28	0.00	0.00	0.00	0.00
29	0	0	0	0	29	0.00	0.00	0.00	0.00

Extend the list of programs as needed to cover additional programs, if any.

30				
31				
32				
33				

30	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00
32	0.00	0.00	0.00	0.00
33	0.00	0.00	0.00	0.00

kWh Savings					Peak kW Savings				
TOTAL:	2004	2005	2006	2007	TOTAL:	2004	2005	2006	2007
	0	0	0	0		-	-	-	-

* Other program, as needed.

Energy Efficiency and Load Management Summary - Page 4

Program Number	Savings in Therms or CCF				Program Number	Peak Savings in Therms or CCF per day			
	2004	2005	2006	2007		2004	2005	2006	2007
1	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00
2	1552.05	3793.90	2069.40	2586.75	2	24.30	59.40	32.40	40.50
3	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00
6	440.90	508.73	474.81	474.81	6	1.17	1.35	1.26	1.26
7	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00
16	0.00	0.00	172.45	517.35	16	0.00	0.00	2.70	8.10
17	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00
18	0.00	0.00	10.00	50.00	18	0.00	0.00	0.04	0.20
19	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00

Extend the list of programs as needed to cover additional programs, if any.

30	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00
32	0.00	0.00	0.00	0.00
33	0.00	0.00	0.00	0.00

30	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00
32	0.00	0.00	0.00	0.00
33	0.00	0.00	0.00	0.00

Savings in Therms or CCF					Peak Day Savings (Therms or CCF/day)				
	2004	2005	2006	2007		2004	2005	2006	2007
TOTAL:	1992.95	4302.63	2726.66	3628.91	TOTAL:	25.47	60.75	36.40	50.06

* Other program, as needed.

Program Data.

Fill out one sheet for each program. Copy this sheet (hardcopy or electronically) as needed.

Program Status: (Circle One) Completed Ongoing New

Program Name: Residential Heating-GAS

Program Number: 2 (Designate the program by a number to match the numbering in the
(Optional) Energy Efficiency and Load Management Summary - Page 1.)

Program Dates: Year Program Started 1992
 Year Program Completed or Planned End Date _____

Reason for Terminating Program:

Program Description (attach or substitute available written information as needed):

\$100-\$150 rebate for the purchase/installation of natural gas furnace (\$100 for up to 80,000 Btu;
\$150 for those over 150,000 Btu).

Description of Method for Determining Results (attach or substitute available written information as needed):

See IAMU Program Descriptions.

NOTE: Estimates of energy and capacity savings, and resource expenditures, are acceptable if results of actual measures are unavailable.

Note: Data for the reporting periods of 2004 and 2005 should be actual annual results, while data for the reporting periods of 2006 and 2007 should be projected annual results.

<u>Program Results</u>	2004	2005	2006	2007
Number of Participants	9	22	12	15
Program Cost	\$ 1,150	\$ 2,850	\$ 1,550	\$ 1,950
Dollar Savings	\$ 1,365	\$ 4,164	\$ 2,612	\$ 3,264
KWh Savings	0	0	0	0
Peak kW Savings	0.000	0.000	0.000	0.000
Savings in Therms or CCF	1,552.05	3,793.90	2,069.40	2,586.75
Peak Savings in Therms or CCF/Day	24.30	59.40	32.40	40.50

Program Data.

Fill out one sheet for each program. Copy this sheet (hardcopy or electronically) as needed.

Program Status: (Circle One) Completed Ongoing New

Program Name: _____ Residential Hot Water Heater GAS

Program Number: _____ 6 (Designate the program by a number to match the numbering in the
(Optional) Energy Efficiency and Load Management Summary - Page 1.)

Program Dates: Year Program Started 1992
 Year Program Completed or Planned End Date

Reason for Terminating Program:

Program Description (attach or substitute available written information as needed):
\$50 rebate for the purchase/installation of EF 0.60+ natural gas water heater.

Description of Method for Determining Results (attach or substitute available written information as needed):

See IAMU Program Descriptions.

NOTE: Estimates of energy and capacity savings, and resource expenditures, are acceptable if results of actual measures are unavailable.

Note: Data for the reporting periods of 2004 and 2005 should be actual annual results, while data for the reporting periods of 2006 and 2007 should be projected annual results.

<u>Program Results</u>	2004	2005	2006	2007
Number of Participants	13	15	14	14
Program Cost	\$ 650	\$ 750	\$ 700	\$ 700
Dollar Savings	\$ 388	\$ 558	\$ 599	\$ 599
KWh Savings	0	0	0	0
Peak kW Savings	0.000	0.000	0.000	0.000
Savings in Therms or CCF	440.90	508.73	474.81	474.81
Peak Savings in Therms or CCF/Day	1.17	1.35	1.26	1.26

Program Data.

Fill out one sheet for each program. Copy this sheet (hardcopy or electronically) as needed.

Program Status: (Circle One) Completed Ongoing

New

Program Name: _____ Commercial/Industrial Heating - GAS

Program Number: _____ 16 (Designate the program by a number to match the numbering in the
(Optional) Energy Efficiency and Load Management Summary - Page 1.)

Program Dates: Year Program Started _____ 2006
 Year Program Completed or Planned End Date _____

Reason for Terminating Program:

Program Description (attach or substitute available written information as needed):

\$100-\$150 rebate for the purchase/installation of natural gas furnace (\$100 for up to 80,000 Btu;
\$150 for those over 150,000 Btu).

Description of Method for Determining Results (attach or substitute available written information as needed):

See IAMU Program Descriptions.

NOTE: Estimates of energy and capacity savings, and resource expenditures, are acceptable if results of actual measures are unavailable.

Note: Data for the reporting periods of 2004 and 2005 should be actual annual results, while data for the reporting periods of 2006 and 2007 should be projected annual results.

<u>Program Results</u>	2004	2005	2006	2007
Number of Participants	0	0	1	3
Program Cost	\$ -	\$ -	\$ 150	\$ 450
Dollar Savings	\$ -	\$ -	\$ 218	\$ 653
KWh Savings	0	0	0	0
Peak kW Savings	0.000	0.000	0.000	0.000
Savings in Therms or CCF	0.00	0.00	172.45	517.35
Peak Savings in Therms or CCF/Day	0.00	0.00	2.70	8.10

Program Data.

Fill out one sheet for each program. Copy this sheet (hardcopy or electronically) as needed.

Program Status: (Circle One) Completed Ongoing New

Program Name: _____ Commercial/Industrial Hot Water Heater

Program Number: _____ 18 (Designate the program by a number to match the numbering in the
(Optional) Energy Efficiency and Load Management Summary - Page 1.)

Program Dates: Year Program Started 2006
Year Program Completed or Planned End Date _____

Reason for Terminating Program:

Program Description (attach or substitute available written information as needed):
\$50 rebate for the purchase/installation of EF 0.60+ natural gas water heater.

Description of Method for Determining Results (attach or substitute available written information as needed):

See IAMU Program Descriptions.

NOTE: Estimates of energy and capacity savings, and resource expenditures, are acceptable if results of actual measures are unavailable.

Note: Data for the reporting periods of 2004 and 2005 should be actual annual results, while data for the reporting periods of 2006 and 2007 should be projected annual results.

<u>Program Results</u>	2004	2005	2006	2007
Number of Participants	0	0	1	5
Program Cost	\$ -	\$ -	\$ 50	\$ 250
Dollar Savings	\$ -	\$ -	\$ 13	\$ 63
KWh Savings	0	0	0	0
Peak kW Savings	0.000	0.000	0.000	0.000
Savings in Therms or CCF	0.00	0.00	10.00	50.00
Peak Savings in Therms or CCF/Day	0.00	0.00	0.04	0.20

Program Data.

Fill out one sheet for each program. Copy this sheet (hardcopy or electronically) as needed.

Program Status: (Circle One) Completed **Ongoing** New

Program Name: _____ Energy Plan Preparation

Program Number: _____ 30 (Designate the program by a number to match the numbering in the (Optional) Energy Efficiency and Load Management Summary - Page 1.)

Program Dates: Year Program Started 1992
 Year Program Completed or Planned End Date _____

Reason for Terminating Program:

Program Description (attach or substitute available written information as needed):
Energy efficiency plan preparation and evaluation.

Description of Method for Determining Results (attach or substitute available written information as needed):

See IAMU Program Descriptions.

NOTE: Estimates of energy and capacity savings, and resource expenditures, are acceptable if results of actual measures are unavailable.

Note: Data for the reporting periods of 2004 and 2005 should be actual annual results, while data for the reporting periods of 2006 and 2007 should be projected annual results.

<u>Program Results</u>	2004	2005	2006	2007
Number of Participants	N/A	N/A	N/A	N/A
Program Cost	\$ 357	\$ -	\$ 400	\$ -
Dollar Savings	\$ -	\$ -	\$ -	\$ -
KWh Savings	0	0	0	0
Peak kW Savings	0.000	0.000	0.000	0.000
Savings in Therms or CCF	0.00	0.00	0.00	0.00
Peak Savings in Therms or CCF/Day	0.00	0.00	0.00	0.00

Program Data.

Program Data.

Fill out one sheet for each program. Copy this sheet (hardcopy or electronically) as needed.

Program Status: (Circle One) Completed Ongoing New

Program Name: _____ Energy Research Center Contributions

Program Number: _____ 31 (Designate the program by a number to match the numbering in the
(Optional) Energy Efficiency and Load Management Summary - Page 1.)

Program Dates: Year Program Started _____ 1991
 Year Program Completed or Planned End Date _____

Reason for Terminating Program:

Program Description (attach or substitute available written information as needed):

Iowa Energy Center/Global Warming Center Assessment

Description of Method for Determining Results (attach or substitute available written information as needed):

See IAMU Program Descriptions.

NOTE: Estimates of energy and capacity savings, and resource expenditures, are acceptable if results of actual measures are unavailable.

Note: Data for the reporting periods of 2004 and 2005 should be actual annual results, while data for the reporting periods of 2006 and 2007 should be projected annual results.

<u>Program Results</u>	2004	2005	2006	2007
Number of Participants	N/A	N/A	N/A	N/A
Program Cost	\$ 1,279	\$ 1,230	\$ 1,250	\$ 1,250
Dollar Savings	\$ -	\$ -	\$ -	\$ -
KWh Savings	0	0	0	0
Peak kW Savings	0.000	0.000	0.000	0.000
Savings in Therms or CCF	0.00	0.00	0.00	0.00
Peak Savings in Therms or CCF/Day	0.00	0.00	0.00	0.00