

**STATE OF ILLINOIS**  
**ILLINOIS COMMERCE COMMISSION**

**In Re:** :  
:   
**MidAmerican Energy Company** :   
: **12-0** \_\_\_\_\_  
:   
**Petition for Waiver Pursuant to** :   
**8-408(c) of the Public Utilities Act.** :

**Verified Petition For Waiver**

**COMES NOW**, MidAmerican Energy Company (MidAmerican), and, pursuant to 220 ILCS 5/8-408(c) and the Illinois Commerce Commission's (Commission) Order in Docket 12-0132 issued October 17, 2012, respectfully requests a waiver to modify its Residential Home Equipment Energy Efficiency Program. In support of its request, MidAmerican states as follows:

1. MidAmerican is an Iowa corporation with an office at 666 Grand Avenue, Des Moines, Iowa 50309, and is engaged in the business of generating, transmitting and distributing electricity and distributing natural gas to the public in the Illinois counties of Rock Island, Henry, Mercer and Whiteside, and elsewhere. MidAmerican is a public utility within the meaning of the Public Utilities Act (Act). MidAmerican is also a public utility subject to the jurisdiction of the Federal Energy Regulatory Commission, the Iowa Utilities Board (Board) and the South Dakota Public Utilities Commission.

2. MidAmerican began offering energy efficiency programs on June 1, 2008, pursuant to the Commission's final order in Docket No. 08-107/108 (Consol.) On February 23, 2012, the Commission issued an order initiating Docket No. 12-0132 in

order to make a determination by October 31, 2012, as to whether MidAmerican's energy efficiency ("EE") programs should be continued beyond calendar year 2012 as required by Section 8-408(d) of the Public Utilities Act ("Act"). 220 ILCS 5/8-408. In its October 17, 2012, Order, the Commission found that MidAmerican's EE programs, except the Residential New Construction program should continue until December 31, 2013. The Commission also directed MidAmerican to file a waiver pursuant to 8-408(c) by December 3, 2012, requesting that it be permitted to eliminate measures in the Residential Equipment program that were found not to be cost effective.

3. Pursuant to the Commission's directive, MidAmerican is respectfully requesting that it be allowed to eliminate the following measures from its 2013 Residential Equipment program:

Electric

- Ground source heat pumps
- Desuperheater

Gas

- Furnaces
- Boilers
- Water heaters – storage, condensing and tankless

These measures were found to be below the 1.0 threshold for the Societal Test based on MidAmerican's recent Energy Efficiency Assessment for Potential Study. See Exhibit A.

4. MidAmerican's will continue the following cost effective measures in its 2013 Residential Equipment program:

Electric

- Central air conditioner

- Room air conditioner
- Programmable thermostats

Gas

- Air source heat pump
- Programmable thermostats

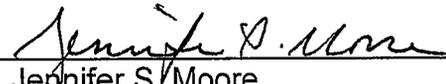
5. To ensure that MidAmerican can implement the changes to the Residential Equipment program prior to January 1, 2013, MidAmerican respectfully requests expedited treatment of its request.

**WHEREFORE**, MidAmerican Energy Company, respectfully requests the Illinois Commerce Commission grant a waiver pursuant to 220 ILCS 5/8-408(c) to allow MidAmerican to its Residential Home Equipment Energy Efficiency Program as outlined above.

Dated this 3rd day of December, 2012.

Respectfully submitted,

**MIDAMERICAN ENERGY COMPANY**

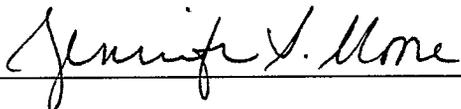
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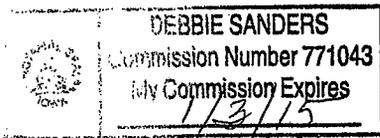
Jennifer S. Moore  
Senior Attorney  
106 East Second Street  
P.O. Box 4350  
Davenport, IA 52808  
(563) 333-8006  
(563) 333-8021  
[jmoore@midamerican.com](mailto:jmoore@midamerican.com)

STATE OF IOWA                    )  
                                          ) SS  
COUNTY OF SCOTT                )

**Verification**

I, Jennifer S. Moore, verify that I am Senior Attorney for MidAmerican Energy Company; that I have read the foregoing Request for Waiver, that I am familiar with the facts stated, and that the facts are true to the best of my knowledge, information and belief.

  
Jennifer S. Moore



  
Notary Public



Illinois 2013 Residential Equipment Cost-Effectiveness Worksheet

All Data Based on 2014-2023 Iowa Assessment of Energy Efficiency Potential and October 2012 Avoided Electric and Gas Cost Projections

1. CAC (15 year life)

Assumed Mbtu	Assessment SEER	Assessment kWh	Assessment Cost	kWh Savings	Incremental Cost	Benefits	Net Benefits	Societal Test
36.0	13.0	2246.00	\$ 3,180.02					
36.0	14.5	2013.66	\$ 3,715.52	232.34	\$ 535.50	\$ 951.63	\$ 416.13	1.78
36.0	15.0	1946.53	\$ 3,894.02	299.47	\$ 714.00	\$ 1,226.59	\$ 512.59	1.72
36.0	16.0	1824.88	\$ 4,251.02	421.12	\$ 1,071.00	\$ 1,687.99	\$ 616.99	1.58
36.0	18.0	1622.11	\$ 4,968.02	623.89	\$ 1,788.00	\$ 2,555.37	\$ 767.37	1.43

2. Furnace (20 year life)

Assumed Mbtu	Assessment AFUE	Assessment Therms	Assessment Cost	Therm Savings	Incremental Cost	Benefits	Net Benefits	Societal Test
60.0	0.90	611.87	\$ 1,904.65					
60.0	0.93	592.13	\$ 2,235.32	19.74	\$ 330.67	\$ 269.65	\$ (61.02)	0.82
60.0	0.94	585.83	\$ 2,651.72	26.04	\$ 747.07	\$ 355.71	\$ (391.36)	0.48
60.0	0.96	573.63	\$ 2,884.52	38.24	\$ 979.87	\$ 522.36	\$ (457.51)	0.53

3. Boiler (20 year life)

Assumed Mbtu	Assessment AFUE	Assessment Therms	Assessment Cost	Therm Savings	Incremental Cost	Benefits	Net Benefits	Societal Test
60.0	0.82	753.13	\$ 6,914.29					
60.0	0.85	736.76	\$ 7,385.71	16.37	\$ 471.43	\$ 223.62	\$ (247.81)	0.47
60.0	0.90	728.84	\$ 9,971.43	24.29	\$ 3,057.14	\$ 331.80	\$ (2,725.34)	0.11
60.0	0.94	721.09	\$ 10,600.00	32.04	\$ 3,685.71	\$ 437.67	\$ (3,248.04)	0.12
60.0	0.96	706.06	\$ 11,257.14	47.07	\$ 4,342.86	\$ 642.98	\$ (3,699.88)	0.15

4. Air Source Heat Pumps (18 year life)

Assumed Mbtu	Assessment SEER	Assessment HSPF	Assessment kWh	Assessment Cost	kWh Savings	Incremental Cost	Benefits	Net Benefits	Societal Test
36.0	13.0	7.7	12869.0	3732.02					
36.0	14.5	8.2	11988.9	4348.52	880.09	\$ 616.50	\$ 1,230.40	\$ 613.90	2.00
36.0	15.0	8.5	11569.7	4554.02	1299.28	\$ 822.00	\$ 1,816.44	\$ 994.44	2.21
36.0	16.0	9.0	10913.4	4965.02	1955.56	\$ 1,233.00	\$ 2,733.95	\$ 1,500.95	2.22

5. Ground Source Heat Pump (18 year life)

Assumed Mbtu	Assessment EER	Assessment COP	Assessment kWh	Assessment Cost	kWh Savings	Incremental Cost	Benefits	Net Benefits	Societal Test
36.0	17.10	3.60	8102.3	13719.00	4766.69	\$ 9,986.98	\$ 4,766.69	\$ (5,220.29)	0.48

6. Window Air Conditioner (9 year life)

Assumed Mbtu	Assessment EER	Assessment kWh	Assessment Cost	kWh Savings	Incremental Cost	Benefits	Net Benefits	Societal Test
12.0	9.8	297.66	\$ 197.85					
12.0	10.8	270.10	\$ 239.47	27.56	\$ 41.62	\$ 65.63	\$ 24.01	1.58

7. Desuperheater ... not included in the Assessment and will not be offered in Iowa or South Dakota going forward.

8. Gas Water Heater (11 year life)

Assumed Gallons	Assessment E.F.	Assessment Therms	Assessment Cost	Therm Savings	Incremental Cost	Benefits	Net Benefits	Societal Test
40.0	0.59	201.86	\$ 561.88					
40.0	0.67	165.70	\$ 822.43	36.15	\$ 260.55	\$ 222.14	\$ (38.41)	0.85
40.0	0.80	138.78	\$ 1,843.25	63.08	\$ 1,281.37	\$ 387.62	\$ (893.75)	0.30

9. Gas Tankless Water Heater (20 year life)

Assumed Gallons	Assessment E.F.	Assessment Therms	Assessment Cost	Therm Savings	Incremental Cost	Benefits	Net Benefits	Societal Test
40.0	0.82	135.39	\$ 1,394.33	66.46	\$ 832.45	\$ 789.15	\$ (43.30)	0.95

10. Programmable Thermostats (15 year life)

Type	kWh Savings	Therm Savings	Incremental Cost	Benefits	Net Benefits	Societal Test
Gas Heat	0.00	21.12	\$ 33.29	\$ 213.59	\$ 180.30	6.42
Elec. Cool	80.14	0.00	\$ 33.29	\$ 328.24	\$ 294.95	9.86
All Electric	569.33	0.00	\$ 33.29	\$ 643.70	\$ 610.41	19.34
Gas Ht. + Elec. Cool.	80.14	21.12	\$ 33.29	\$ 541.83	\$ 508.54	16.28