

STATE OF IOWA
DEPARTMENT OF COMMERCE
UTILITIES BOARD

IN RE: MIDAMERICAN ENERGY COMPANY	DOCKET NO. EEP-08-2
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**ORDER DOCKETING PLAN, SETTING INTERVENTION
DEADLINE, ESTABLISHING PROCEDURAL SCHEDULE,
AND REQUIRING ADDITIONAL INFORMATION**

(Issued May 29, 2008)

On January 14, 2008, the Utilities Board (Board) issued an order directing MidAmerican Energy Company (MidAmerican) to file a new energy efficiency plan on or before April 30, 2008. MidAmerican filed its proposed new plan on April 30, 2008. MidAmerican said its proposed new plan represents a significant expansion of activity, funding, and projected energy savings as compared to the current plan. MidAmerican's proposed annual budget would increase from about \$62 million in 2009 to about \$81 million in 2013. In response to the Board's January 14, 2008, order, MidAmerican included in its filing an estimate of benefits, costs, and rate impacts assuming a 1.5 percent renewable resource acquisition target in the new plan and an analysis of its proposed plan reflecting the adoption of national carbon dioxide emissions standards.

The Board has reviewed MidAmerican's filing and finds that it substantially complies with the filing requirements of 199 IAC chapter 35 and the Board's January 14, 2008, order. The Board will therefore docket the filing, establish a

procedural schedule, and set an intervention deadline. However, in its initial review of the plan, the Board has determined that certain additional information is required for a thorough review of the plan. In particular, there does not appear to be any data or calculations in the Assessment of Potential that supports summary graphs and tables and there do not appear to be numbers available to support the calculation of goals. MidAmerican will be required to provide the following information within 20 days from the date of this order:

Item 1.1 Database for the Assessment of Potential

Provide all of the data and calculations performed to arrive at the numbers presented as the "Technical and Economic (Electric and Natural Gas) Energy Efficiency Potential" sponsored by MidAmerican witness Dimetrosky. The data and calculations should fully support all of the numbers presented in MidAmerican Appendix C. The data and calculations shall clearly show how MidAmerican's consultant used forecast data, measure-level data, and any other data to arrive at the estimates of baseline use, technical potential, and economic potential. The data and calculations shall be provided in Microsoft Excel.

Item 1.2 Addenda to Appendix C

As addenda to MidAmerican Appendix C, provide new versions of Tables 1, 2, 15, 16, and 17 expanded to address the Baseline Sales (GWh), Technical Potential (GWh), Economic Potential (GWh), and Economic Potential (MW) for each utility for each year 2009 through 2018. Also, provide new versions of Tables 3, 4, 18, 19, and 20 expanded to address the Baseline Sales (1,000 Dth), Technical Potential (1,000

Dth), Economic Potential (1,000 Dth), and Economic Potential (peak day dekatherms) for each utility for each year 2009 through 2018.

Provide new versions of Tables 21, 23, 25, 27, 29, and 31 expanded to address the sector-level data for each utility for each year 2009 through 2018.

Provide new versions of Tables 22, 24, 26, 28, 30, and 32 expanded to address the end-use data for each utility for each year 2009 through 2018.

Item 1.3 Addenda to Appendix D

With respect to MidAmerican Appendix D, sub-appendix C.2, Technical Measure Inputs, MidAmerican shall reformulate and expand the tables providing measure-level data in Tables C.20 through C.25. These reformulated tables shall be filed as addenda to Appendix D, Tables C.20 through C.25. The tables shall be reformulated as Excel files (or Excel-compatible database files). The lines corresponding to each individual measure, in which the measure is applied to "Base Equipment, Customer Segment, and Building Type or Vintage," shall be designated with a line code that identifies each line as a unique record. The individual measure descriptions shall be expanded to provide present value of lifetime savings in 2009 dollars based on the Participant (customer level) test.

Item 1.4 Baseline forecasts

MidAmerican shall provide tables with numbers for each year, supporting figures C3 through C17 of sub-appendix C in Appendix D.

MidAmerican shall explain the origin of the numbers in figures C3 through C17 of sub-appendix C in Appendix D.

Item 1.5 Measure screening in the Assessment of Potential

MidAmerican shall explain why the Assessment of Potential shows no qualitative or feasibility screening. If the qualitative screening was performed but not included in the MidAmerican plan filed April 30, 2008, the screening criteria shall be identified and each measure screened shall be clearly identified as passing or failing the qualitative screening process and, for failing measures, the criteria which caused each measure to fail.

MidAmerican shall explain why the Assessment of Potential shows no measure-level results for economic screening. If economic screening of measures was performed, the screening criteria shall be identified and each line in reformulated sub-appendix C, Tables C.20 through C.25 shall indicate whether the measure passed or failed.

Item 1.6 Levelized cost calculations and results

MidAmerican shall explain and provide the calculations for the "Levelized Cost" results that appear in the tables in Appendix C. The units listed for "Average Levelized Cost" shall be clearly identified, whether kWh, kW, therms, or peak day therms. The measure parameters shall be explained, including: measure lifetimes, discount rates, measure savings, and the costs used to calculate the average levelized costs.

If levelized cost numbers are available for the individual measures in Appendix D, sub-appendix C, these levelized costs shall be included in the reformulated tables requested under Item 1.3.

Item 1.7 Assessment of Demand Response

Provide all of the data and calculations performed to arrive at the numbers represented as the "Technical and Market Potential" for demand response for Table 33 on page 43 of Appendix C. The data and calculations shall fully support all of the numbers presented in Appendix C.

MidAmerican shall explain and support with data and calculations the "Levelized Costs and Market Potential" results in Table 35 in Appendix C.

Item 1.8 Renewable resources

Provide all of the data and calculations performed to arrive at the numbers represented as the market and economic potential for renewable resources in Appendix C. MidAmerican shall explain and support with data and calculations for all the levelized cost results in Appendix C.

Item 2 Energy efficiency plan goals

Explain in detail how MidAmerican witness Weaver calculated future program goals, including:

Detailed definitions of and data for participation for MidAmerican's historic program participation, for each historic program and for each year used in the determination of historic participation. The participation numbers for each year shall be provided for individual measures or groups of measures.

The historic participation data shall be provided in Excel, with rows defined by program and measure and columns defined by the following items: end use, measure name, measure description, base equipment, baseline kWh, peak kW,

therms, peak day therms, savings as a percent of end use energy and of end use capacity, measure life, measure costs, and estimated total incentives to be paid as percentages of incremental customer cost.

Detailed definitions of and data for the components of savings goals for each program proposed in this plan, as follows:

A table compiling the data and calculations of measure-specific goals for each energy efficiency measure to be promoted within each energy efficiency program, including a detailed description of the measure and the source of details. If the source is MidAmerican Appendix D, sub-appendix C, the measure should be clearly linked to descriptions in various tables in sub-appendix C. If the source of measure data is other than MidAmerican Appendix D, sub-appendix C, the source should be described and filed as part of this data request.

The table should be provided in Excel, with rows defined by program and measure and columns defined by columns in sub-appendix C, or by the following items: end use, measure name, measure description, base equipment, baseline kWh, peak kW, therms, peak day therms, savings as percent of end use energy and capacity, installations incomplete, installations technically feasible, measure life, measure costs, and estimated total incentives to be paid as percentages of incremental customer cost.

Item 3 Energy efficiency plan benefits and costs

For the Cost-Effectiveness Test Results in MidAmerican witness Weaver's Exhibit EMW-1, Schedule 2, for each program and for the aggregate categories of programs described in Exhibit EMW-1 Schedule 2 as "Gas Portfolio, Electric Portfolio and Total Portfolio," provide a detailed Excel spreadsheet showing the calculations of benefits and costs for each economic test, for each projected year of implementation (2009 through 2013). The spreadsheet for each program shall include a summary table listing for each economic test the discount rate and the following items:

Summary - Electric & Gas:

- B/C Ratio
- Net Benefits (\$)
- Total Benefits (\$)
- Total Costs (\$)

Summary - Electric Only:

- B/C Ratio
- Net Benefits (\$)
- Total Benefits (\$)
- Total Costs (\$)
- Levelized Cost (\$/kWh)

Summary - Gas Only:

- B/C Ratio
- Net Benefits (\$)
- Total Benefits (\$)
- Total Costs (\$)
- Levelized Cost (\$/therm)

Benefit Components in dollars:

- Customer Electric Bill Decrease
- Customer Gas Bill Decrease
- Customer Rebates Received - Electric
- Customer Rebates Received - Gas
- Utility Electric Production Savings
- Utility Electric Capacity Savings

Gas Acquisition Cost Savings
Externalities - Electric
Externalities - Gas

Cost Components in dollars:
Incremental Participant Cost - Electric
Incremental Participant Cost - Gas
Utility Electric Revenue Decrease
Utility Gas Revenue Decrease
Administrative Costs - Electric
Administrative Costs - Gas
Rebates Paid - Electric
Rebates Paid - Gas

The spreadsheets shall project the future annual dollars for the items needed to calculate benefits and costs, with rows defined by all future years in which impacts of measures resulting in benefits and costs occur and columns defined by the benefit and cost components listed above. Columns shall also include the total present value in current (2008) dollars for the values in the column for each separate discount rate used.

MidAmerican responses to Item 3 should be filed as addenda to schedules 1 through 5 in the exhibits filed by MidAmerican witness Weaver.

IT IS THEREFORE ORDERED:

1. The energy efficiency plan filed by MidAmerican Energy Company on April 30, 2008, is docketed pursuant to Iowa Code § 476.6(16) and 199 IAC 35.6(2) and an investigation is instituted to determine the reasonableness of MidAmerican's proposed energy efficiency plan. This matter will be identified as Docket No. EEP-08-2, a formal contested case proceeding. The expenses reasonably attributable to

this investigation shall be assessed to MidAmerican in accordance with Iowa Code § 476.10.

2. The following procedural schedule is established:
 - a. Any petition to intervene shall be filed on or before June 13, 2008.
 - b. The Consumer Advocate Division of the Department of Justice and any intervenors shall file prepared direct testimony, with underlying workpapers and exhibits, on or before June 30, 2008. If a party references a data request in its prepared testimony, the data request shall be filed as an exhibit.
 - c. If Consumer Advocate and any intervenors find it necessary to file testimony in rebuttal to each other's direct testimony, they may file rebuttal testimony on or before July 18, 2008.
 - d. MidAmerican shall file its rebuttal testimony, with underlying workpapers and exhibits, on or before August 8, 2008.
 - e. Consumer Advocate and any intervenors shall file surrebuttal testimony, with underlying workpapers and exhibits, on or before August 15, 2008. Any such surrebuttal testimony is limited to issues raised for the first time in that party's initial testimony and responded to by MidAmerican in its rebuttal testimony.
 - f. The parties shall file a joint statement of the issues on or before August 20, 2008.

g. All parties who choose to file a prehearing brief may do so on or before August 25, 2008.

h. A hearing shall be held beginning at 9 a.m. on September 22, 2008, for the purpose of receiving testimony and the cross-examination of all testimony. The hearing shall be held in the Board's Hearing Room, 350 Maple Street, Des Moines, Iowa. The parties shall appear one-half hour prior to the time of the hearing for the purpose of marking exhibits. Persons with disabilities requiring assistive services or devices to observe or participate should contact the Utilities Board at (515) 281-5256 in advance of the scheduled date to request that appropriate arrangements be made.

i. All parties may file briefs on or before October 17, 2008.

3. In the absence of objection, all underlying workpapers shall become a part of the evidentiary record of these proceedings at the time the related testimony and exhibits are entered into the record.

4. In the absence of objection, all data requests and responses referred to in oral testimony or on cross-examination, which have not been previously filed, shall become a part of the evidentiary record of these proceedings. The party making reference to the data request shall file an original and six copies of the data request and response with the Board at the earliest possible time.

5. In the absence of objection, when the Board has called for further evidence on any issue and the evidence is filed after the close of the hearing, the evidentiary record will be reopened and the evidence will become part of the record

five days after the evidence is filed with the Board. All evidence filed pursuant to this paragraph shall be filed no later than seven days after the close of the hearing in this proceeding.

6. MidAmerican shall file the additional information identified in this order within 20 days from the date of the order.

UTILITIES BOARD

/s/ John R. Norris

/s/ Krista K. Tanner

ATTEST:

/s/ Judi K. Cooper
Executive Secretary

/s/ Darrell Hanson

Dated at Des Moines, Iowa, this 29th day of May, 2008.