

MidAmerican Energy Company  
South Dakota Energy Efficiency  
**Analysis of 2010 Pro Forma System Net Benefits**  
Residential and Nonresidential - Equipment and Audit Programs

|  |    |                |
|--|----|----------------|
| 2010 System Net Benefits                       | \$ | (461,653)      |
| Removal of Measures                            |    |                |
| Air Source Heat Pumps                          | \$ | 19,768         |
| Ground Source Heat Pumps                       | \$ | 47,392         |
| Water Source Heat Pumps                        | \$ | 101,727        |
| Boilers - Residential                          | \$ | 26,774         |
| Boilers - Commercial                           | \$ | 14,164         |
| <u>Subtotal</u>                                | \$ | <u>209,825</u> |
| Electric Benefits associated with Gas Measures | \$ | 237,533        |
| Reduction of Administrative Costs              | \$ | 35,569         |
| Total  | \$ | 482,927        |
| Pro Forma 2010 System Net Benefits             | \$ | 21,274         |

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South Dakota Energy Efficiency

**Estimate of Energy Efficiency Costs Related to Dakota Dunes Flooding**

Affected Customers:

|                         | Total      | Percent       |
|-------------------------|------------|---------------|
| Combination Customers   | 401        | 76.8%         |
| Electric Only Customers | 37         | 7.1%          |
| Gas Only Customers      | 84         | 16.1%         |
| <b>Total Customers</b>  | <b>522</b> | <b>100.0%</b> |

Estimated Customers Eligible for Audits:

339

65% of total customers

Electric Costs:

| Measure                             | Units | Average Cost | Total Cost       |
|-------------------------------------|-------|--------------|------------------|
| Central Air Conditioner Replacement | 88    | \$ 160.00    | \$ 14,080        |
| Furnace Fan Replacement             | 16    | \$ 50.00     | \$ 800           |
| Electric Water Heater Replacement   | 73    | \$ 50.00     | \$ 3,650         |
| Audits                              | 339   | \$ 141.75    | \$ 3,406         |
| Direct Install Measures             | 339   | \$ 78.25     | \$ 6,975         |
| Insulation Replacement              | 339   | \$ 750.00    | \$ 66,850        |
| <b>Total</b>                        |       |              | <b>\$ 95,761</b> |

Notes

20% of electric and combination customers  
 20% of combination furnaces  
 70% of all eligible customers multiplied by 20%  
 Estimated total affected homes eligible for audits ... audit costs are assigned to primary heating fuel  
 Estimated total affected homes eligible for audits ... costs are allocated to primary fuel and 25/75 (elec/gas) for combination customers  
 Estimated total affected homes eligible for audits ... costs are allocated to primary fuel and 25/75 (elec/gas) for combination customers

|                              |              |
|------------------------------|--------------|
| Estimated kWh Sales          | 46,028,406   |
| Estimated Factor             | \$ 0.208     |
| Estimated Annual Bills       | 42,355       |
| Monthly Bill Increase        | \$ 2.26      |
| Estimated Revenue            | \$ 3,933,655 |
| One Time Percentage Increase | 2.43%        |

kWh  
 cents / kWh  
 2010 total bills  
 dollars / month  
 total residential revenue

Gas Costs:

| Measure                      | Units | Average Cost | Total Cost        |
|------------------------------|-------|--------------|-------------------|
| Furnace Replacement          | 97    | \$ 330.00    | \$ 32,010         |
| Gas Water Heater Replacement | 292   | \$ 75.00     | \$ 21,900         |
| Audits                       | 339   | \$ 141.75    | \$ 44,647         |
| Direct Install Measures      | 339   | \$ 78.25     | \$ 19,552         |
| Insulation Replacement       | 339   | \$ 750.00    | \$ 187,400        |
| <b>Total</b>                 |       |              | <b>\$ 305,509</b> |

Notes

20% of gas and combination customers  
 70% of all eligible customers multiplied by 80%  
 Estimated total affected homes eligible for audits ... audit costs are assigned to primary heating fuel  
 Estimated total affected homes eligible for audits ... costs are allocated to primary fuel and 25/75 (elec/gas) for combination customers  
 Estimated total affected homes eligible for audits ... costs are allocated to primary fuel and 25/75 (elec/gas) for combination customers

|                              |               |
|------------------------------|---------------|
| Estimated Therm Sales        | 61,297,683    |
| Estimated Factor             | \$ 0.498      |
| Estimated Annual Bills       | 5,992,144     |
| Monthly Bill Increase        | \$ 0.05       |
| Estimated Revenue            | \$ 49,156,346 |
| One Time Percentage Increase | 0.62%         |

therms  
 cents / therm  
 2010 total bills  
 dollars / month  
 total residential revenue