AGA surveyed its members on the efficiency levels provided in their residential space heating efficiency programs and the numbers of installations for during 2014 (based on efficient natural gas furnace rebates and other data).

**Survey Sample and Distribution**

Using multiple committee and distribution lists, AGA surveyed its entire membership of natural gas and combination distribution companies on the number of furnace installations by efficiency level that they tracked through their energy efficiency programs during the 2014 program year. Fifty-seven companies provided data. The data in this summary report are aggregated into two regions (North and South) and nationally (see Appendix for distribution of states by region).

**Natural Gas Furnace Efficiency Levels Offered by Utility Efficiency Programs in 2014**

Respondents were asked whether their efficiency programs offered financial incentives for natural gas furnace installations at various efficiency levels (80, 90, 92, 95, and 98 AFUE). Some respondents added efficiency categories that are specific to their programs but not listed in the survey instrument, while others combined these efficiency levels with those listed in the survey (e.g., answers for 93 and 94 AFUE levels were combined with answers for 92 AFUE installations).

Table 1 shows the distribution of incentive programs by region and efficiency level. Programs tend to offer incentives for multiple efficiency levels. As shown, only six of the 57 programs offered incentives for 80 AFUE furnaces (11 percent). Of the six programs, five also offered incentives for 92 AFUE and/or 95 AFUE furnaces, while one also offered incentives for 90 AFUE furnaces.

As seen in Table 1, most programs have replaced incentives for non-condensing (80 AFUE) furnaces with incentives for non-condensing furnaces (90 AFUE and above). In fact, 55 companies (96 percent) provided incentives for natural gas furnace installations at the 95 AFUE level or above. The other two companies provided incentives for 90 AFUE and 92 AFUE furnaces, respectively. Fifty-eight percent of companies (33 of 57) include 92 AFUE furnaces in their residential furnace incentive programs.

<table>
<thead>
<tr>
<th>DOE Region</th>
<th>80 AFUE</th>
<th>90 AFUE</th>
<th>92 AFUE</th>
<th>93 AFUE</th>
<th>94 AFUE</th>
<th>95 AFUE</th>
<th>96 AFUE</th>
<th>97 AFUE</th>
<th>98 AFUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>North</td>
<td>4</td>
<td>11</td>
<td>22</td>
<td>3</td>
<td>8</td>
<td>40</td>
<td>11</td>
<td>19</td>
<td>28</td>
</tr>
<tr>
<td>South</td>
<td>2</td>
<td>11</td>
<td>11</td>
<td>2</td>
<td>2</td>
<td>14</td>
<td>2</td>
<td>3</td>
<td>10</td>
</tr>
<tr>
<td>United States</td>
<td>6</td>
<td>22</td>
<td>33</td>
<td>5</td>
<td>10</td>
<td>54</td>
<td>13</td>
<td>22</td>
<td>38</td>
</tr>
</tbody>
</table>

*Note: The 93, 94, 96 and 97 AFUE categories were added by survey respondents; others combined their answers into the furnace efficiency categories included in the survey instrument.*
Respondents were also asked to provide the number of furnace installations completed through their efficiency incentive program in 2014 by efficiency level. Table 2 summarizes the findings.

### Table 2

**Number of Furnace Installations Completed in 2014 through Utility’s Efficiency Incentive Program**

<table>
<thead>
<tr>
<th># of Installations Reported per Program</th>
<th>80 AFUE</th>
<th>90 AFUE</th>
<th>92 AFUE</th>
<th>93 AFUE</th>
<th>94 AFUE</th>
<th>95 AFUE</th>
<th>96 AFUE</th>
<th>97 AFUE</th>
<th>98 AFUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum</td>
<td>285</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>12</td>
<td>29</td>
<td>9</td>
<td>1</td>
</tr>
<tr>
<td>Maximum</td>
<td>686</td>
<td>32,811</td>
<td>3,210</td>
<td>292</td>
<td>1,463</td>
<td>23,095</td>
<td>9,254</td>
<td>1,901</td>
<td>297</td>
</tr>
<tr>
<td>Median</td>
<td>505</td>
<td>44</td>
<td>231</td>
<td>134</td>
<td>236</td>
<td>947</td>
<td>1,469</td>
<td>176</td>
<td>29</td>
</tr>
</tbody>
</table>

*Note: The 93, 94, 96 and 97 AFUE categories were added by survey respondents; others combined their answers into the furnace efficiency categories included in the survey instrument.*

*Note: The survey responses are based on an informal survey and are for general information only. The information represents an unaudited compilation of information and could contain coding or processing errors.*
APPENDIX: REGIONS AS DEFINED BY DOE IN PROPOSED FURNACE STANDARDS RULEMAKING

NORTH (≥ 5,000 HDD)
Alaska
Colorado
Connecticut
Idaho
Illinois
Indiana
Iowa
Kansas
Maine
Massachusetts
Michigan
Minnesota
Missouri
Montana
Nebraska
New Hampshire
New Jersey
New York
North Dakota
Ohio
Oregon
Pennsylvania
Rhode Island
South Dakota
Utah
Vermont
Washington
West Virginia
Wisconsin
Wyoming

SOUTH (< 5,000 HDD)
Alabama
Arizona
Arkansas
California
Delaware
District of Columbia
Florida
Georgia
Hawaii
Kentucky
Louisiana
Maryland
Mississippi
Nevada
New Mexico
North Carolina
Oklahoma
South Carolina
Tennessee
Texas
Virginia