### Beneficial Utilization versus Production Totals (Short Tons)

<table>
<thead>
<tr>
<th>CCP Categories</th>
<th>Fly Ash**</th>
<th>Bottom Ash**</th>
<th>Boiler Slag*</th>
<th>FGD Gypsum**</th>
<th>FGD Material Wet Scrubbers*</th>
<th>FGD Material Dry Scrubbers*</th>
<th>FGD Other*</th>
<th>FBC Ash*</th>
<th>CCP Production / Utilization Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009 Total CCPs Produced by Category</td>
<td>63,000,000</td>
<td>16,600,000</td>
<td>2,176,054</td>
<td>18,000,000</td>
<td>11,700,000</td>
<td>1,405,448</td>
<td>79,288</td>
<td>125,482,586</td>
<td></td>
</tr>
<tr>
<td>2009 Total CCPs Used by Category</td>
<td>24,716,665</td>
<td>7,000,665</td>
<td>1,834,257</td>
<td>8,951,315</td>
<td>907,543</td>
<td>415,521</td>
<td>67,671</td>
<td>11,748,374</td>
<td></td>
</tr>
</tbody>
</table>

### Summary Utilization to Production Rate

<table>
<thead>
<tr>
<th>CCP Categories</th>
<th>Fly Ash</th>
<th>Bottom Ash</th>
<th>Boiler Slag</th>
<th>FGD Gypsum</th>
<th>FGD Material Wet Scrubbers</th>
<th>FGD Material Dry Scrubbers</th>
<th>FGD Other</th>
<th>FBC Ash</th>
<th>CCP Utilization Total*</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009 Totals by CCP Type/Application</td>
<td>24,716,665</td>
<td>7,000,665</td>
<td>1,834,257</td>
<td>8,951,315</td>
<td>907,543</td>
<td>415,521</td>
<td>67,671</td>
<td>11,748,374</td>
<td>55,642,011</td>
</tr>
</tbody>
</table>

### Utilization vs Production Rate (%)***

- **Concrete/Concrete Products /Grout**: 39.20%
- **Blended Cement/ Raw Feed for Clinker**: 43.70%
- **Flowable Fill**: 84.20%
- **Structural Fills/Embankments**: 50.30%
- **Flowable Fill**: 7.70%
- **Structural Fills/Embankments**: 3.90%
- **Soil Modification/Stabilization**: 88.70%
- **Road Base/Sub-base**: 93.80%
- **Mining Applications**: 44.30%

### 2009 Cenospheres Sold (Pounds)

| Cenospheres Sold (Pounds) | 9,120,702 |

### Note

- Survey corrected for arithmetic errors in reporting of FGD Dry discovered during compilation of 2010 data in October 2011

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**ACAA**
15200 E. Girard Ave., Ste 3050
Aurora, CO 80014
Phone: 720-870-7897
Fax: 720-870-7889
Internet: www.ACAA-USA.org
Email: info@acaa-usa.org

Revised 2009 Coal Combustion Product (CCP) Production & Use Survey Report

ACAA received survey data representing 200,198 MegaWatts Name Plate capacity of the total industry-wide 337,300 MegaWatts Name Plate capacity (i.e., 59.3%).

Oct. 5, 2011

* These are actual tonnages reported by utilities responding and do not reflect estimates for utilities that did not respond this year; Mine reclamation data includes tonnages reported by ARIPPA

** These numbers are derived from previous, current and applicable industry-wide available data, to include Energy Information Administration Reports 923 and 860.

*** Estimates based on actual tons reported and based on extrapolated estimates for fly ash, bottom ash, and FGD gypsum; Utilization exceeded 2009 production as some CCPs were reclaimed from storage

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Survey Form