Advancing Industrial Energy Efficiency

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ENERGY STAR Guidelines for Energy Management

1. Make Commitment
2. Assess Performance & Set Goals
3. Create Action Plan
4. Implement Action Plan
5. Evaluate Progress
6. Recognize Achievements
7. Re-Assess
# 2015 Certified Automobile Assembly Plants

<table>
<thead>
<tr>
<th>Plant</th>
<th>Manufacturer</th>
<th>Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Texas</td>
<td>Toyota</td>
<td>2015, 2014, 2013</td>
</tr>
</tbody>
</table>
Challenge for Industry in Motor Vehicle Sector

- 300+ plants taking the Challenge
- 150+ plants Achieving the Challenge
- Over 53,250,000 MMBTUS of energy saved
  = energy used by 300,000 homes / year
- Over 10,900,000 metrics tons of CO2e reduced
- GM has the largest number of plants in the Challenge of any company & sector.
### Sectors with 10+ Plants Achieving the Challenge

<table>
<thead>
<tr>
<th>Sector</th>
<th>Number of Achievers</th>
<th>Average Reduction</th>
<th>Average Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor Vehicles</td>
<td>144</td>
<td>23.2%</td>
<td>2 Years</td>
</tr>
<tr>
<td>Personal Care Products</td>
<td>44</td>
<td>17.8%</td>
<td>2.1 Years</td>
</tr>
<tr>
<td>Dairy</td>
<td>33</td>
<td>13.8%</td>
<td>1.5 Years</td>
</tr>
<tr>
<td>Pharmaceuticals</td>
<td>23</td>
<td>17.7%</td>
<td>1.7 Years</td>
</tr>
<tr>
<td>Textile</td>
<td>23</td>
<td>19.5%</td>
<td>3.1 Years</td>
</tr>
<tr>
<td>Food Processing</td>
<td>14</td>
<td>16%</td>
<td>1.3 Years</td>
</tr>
<tr>
<td>Concrete</td>
<td>21</td>
<td>22.3%</td>
<td>1.9 Years</td>
</tr>
</tbody>
</table>

(Year end results for 2015)
Motor Vehicle Supplier
Energy Fall Training Camp

Players:
American Mitsuba
Bosch Rexroth
DENSO
EFI Automotive
Henkel
Lear
Magna

Coaches & Trainers:
FCA
GM
Nissan
Toyota
Yamaha
Suppliers Partnership for the Environment
US EPA – ENERGY STAR
Game plan

- 1.5 day fall training camp
- Take the Challenge for Industry
- Conduct Energy Treasure Hunts
- Create & implement action plans
- Build stronger energy programs
Contact Information

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