When the STARS Align...

...Recycle and Replace Old Appliances. The Time is Now!

Presenter: Janet Fox
On behalf of DOE
Refrigerators & Freezers

• How much does it cost to keep a fridge or freezer plugged in?
  – A pre-1993 unit costs $100 per year in electricity—twice as much as a new ENERGY STAR qualified model.
  – Fridges and freezers from the 1970s cost four times more to operate.
How much does it cost to run your refrigerator each year?

<table>
<thead>
<tr>
<th>Date Model Was Made</th>
<th>Electricity Costs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1970s</td>
<td>$259</td>
</tr>
<tr>
<td>1980s</td>
<td>$163</td>
</tr>
<tr>
<td>1990s</td>
<td>$97</td>
</tr>
<tr>
<td>2000s</td>
<td>$66</td>
</tr>
<tr>
<td>2009 ENERGY STAR® Qualified Refrigerator</td>
<td>$48</td>
</tr>
</tbody>
</table>

Make a COOL CHANGE. Recycle Your Old Fridge.
How much does it cost to run your freezer each year?

- **1970s**: $179
- **1980s**: $114
- **1990s**: $67
- **2000s**: $53
- **2009 ENERGY STAR® Qualified Freezer**: $43

Date Model Was Made

Make a COOL CHANGE. Recycle Your Old Fridge.
Is there an old fridge or freezer chilling your home budget?
Older Styles & Colors

Product Name Plate

Calculator at energystar.gov/recycle
How much more efficient is a new ENERGY STAR qualified fridge or freezer?

- Over 61 million households have old fridges and freezers which combined, use $4.9 billion per year in energy costs.

- If every American home replaced its old refrigerator and/or freezer with ENERGY STAR qualified models, together, we would save enough energy to light more than 9.2 million homes for an entire year.
180 Watt Solar Panels Needed to Power Pre-1993 Refrigerator (annually)

180 Watt Solar Panels Needed to Power New, ENERGY STAR Qualified Refrigerator (annually)
Energy-Saving Tips for Refrigerators and Freezers

• Regularly clean coils
• Inspect seals around doors
• Defrost, if needed
• If possible, don’t place next to a stove or other heat source
• Think about what you need in the fridge or freezer before opening the door, to reduce “open door” time
Clothes Washers/Laundry

- Clothes washers manufactured before 1999 use more than 4 times the energy of today’s ENERGY STAR models.

- Your pre-1999 washer wastes nearly 30 gallons of water every time you do a load of laundry—equivalent to ten and a half years of daily baths over the lifetime of the washer!
How much does it cost to run your clothes washer each year?

<table>
<thead>
<tr>
<th>Date Model Was Made</th>
<th>1970s</th>
<th>1980s</th>
<th>1990s</th>
<th>2000s</th>
<th>2009 ENERGY STAR® Qualified Clothes Washer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Utility Costs</td>
<td>$250</td>
<td>$200</td>
<td>$150</td>
<td>$100</td>
<td>$50</td>
</tr>
<tr>
<td></td>
<td>$195</td>
<td>$180</td>
<td>$171</td>
<td>$132</td>
<td>$47</td>
</tr>
</tbody>
</table>

*Includes dryer energy savings due to superior moisture extraction of ENERGY STAR washers.*
Are your water and energy bills spinning out of control?
How much more efficient is a new ENERGY STAR qualified clothes washer?

• If your washer is over 10 years old, you'll save about $145 a year on your utility bills with a new ENERGY STAR model.

• If every American home replaced their old washers with ENERGY STAR qualified models, together, we would save enough water to fill the Rose Bowl nearly 8,000 times.
180 Watt Solar Panels Needed to Power Pre-2000 Clothes Washer (annually)

180 Watt Solar Panels Needed to Power New, ENERGY STAR Qualified Clothes Washer (annually)
WATER USE PER-CYCLE

<table>
<thead>
<tr>
<th>Gallons Used Per Load</th>
<th>Standard Clothes Washer</th>
<th>ENERGY STAR® Qualified Clothes Washer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>31</td>
<td>14</td>
</tr>
</tbody>
</table>
Energy-Saving Tips for Clothes Washers

• Use cold water for appropriate loads
• Full loads
• Use HE detergent for cleaning performance
• Clothes lines or racks in the laundry room or back yard can reduce dryer use
• Regularly clean lint traps and dryer ductwork for optimal dryer efficiency
www.energystar.gov/recycle
2009 American Recovery and Reinvestment Act
ENERGY STAR Rebates

• All U.S. states and territories participating
• Led by State/territory energy offices
• More information at www.recovery.gov
Q&A

Thank You for Attending this Workshop

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appliancercampaign@energystar.gov