



SOLAR DECATHLON 2009



When the STARS Align...



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

Presenter: Janet Fox

On behalf of DOE



Refrigerators & Freezers

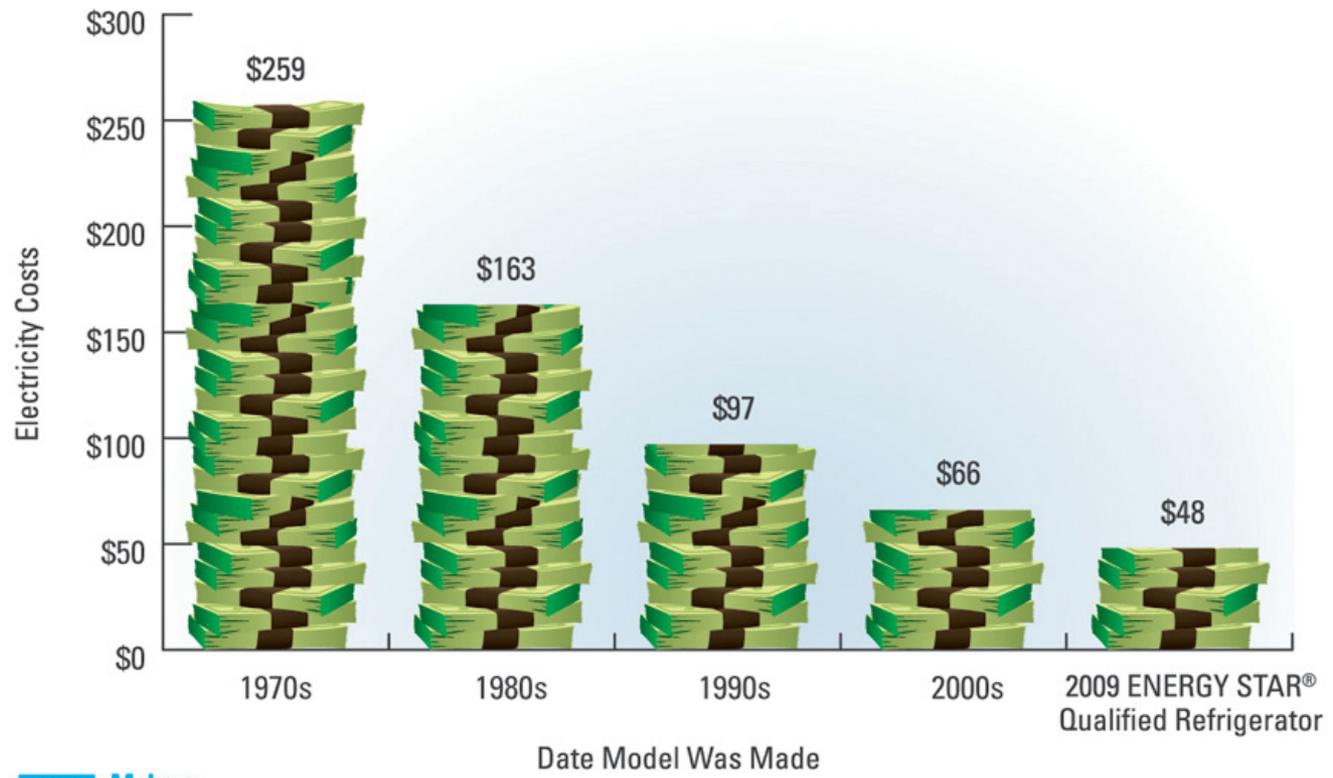
- How much does it cost to keep a fridge or freezer plugged in?
 - A pre-1993 unit costs \$100 per year in electricity—twice as much as a new ENERGY STAR qualified model.
 - Fridges and freezers from the 1970s cost four times more to operate.



SOLAR DECATHLON

2009

How much does it cost to run your refrigerator each year?



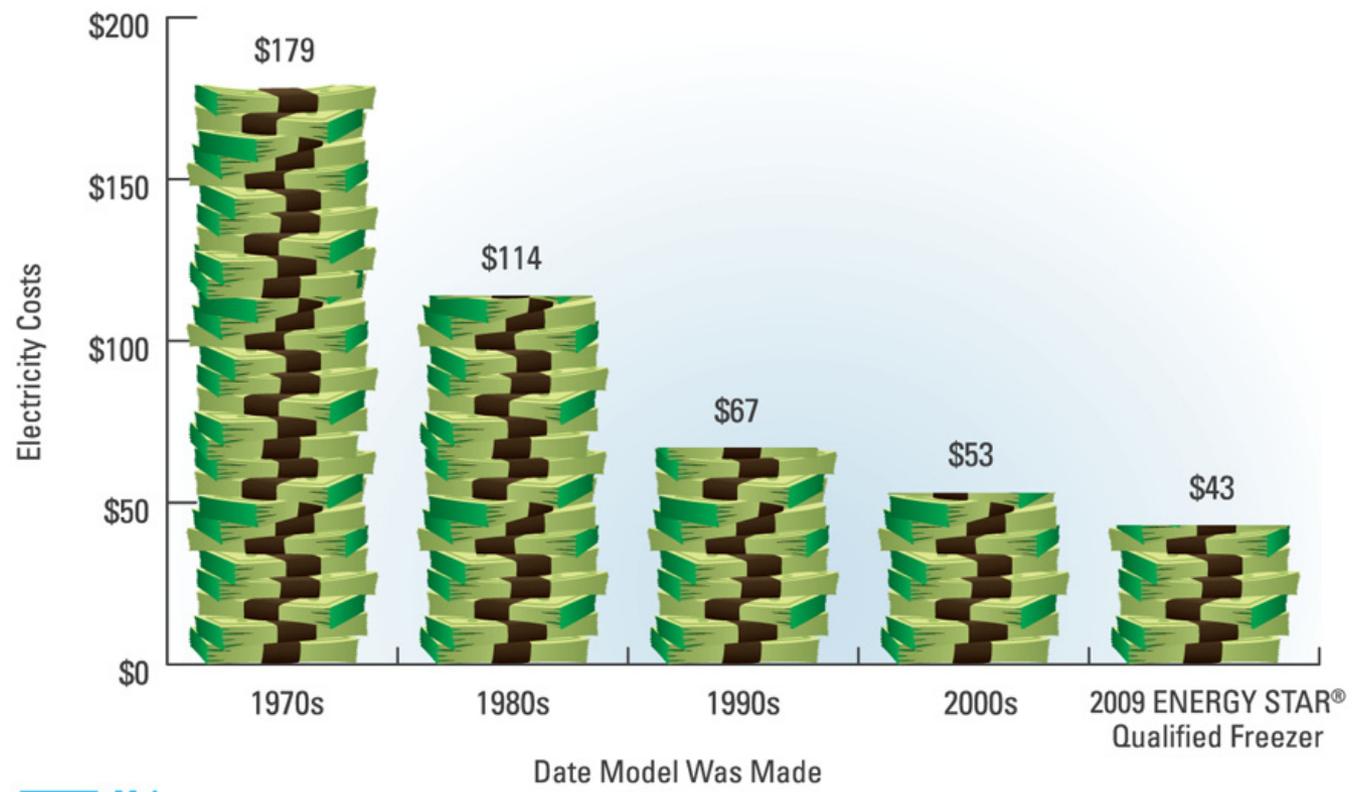
 **Make a COOL CHANGE.**
Recycle Your Old Fridge.



SOLAR DECATHLON

2009

How much does it cost to run your freezer each year?



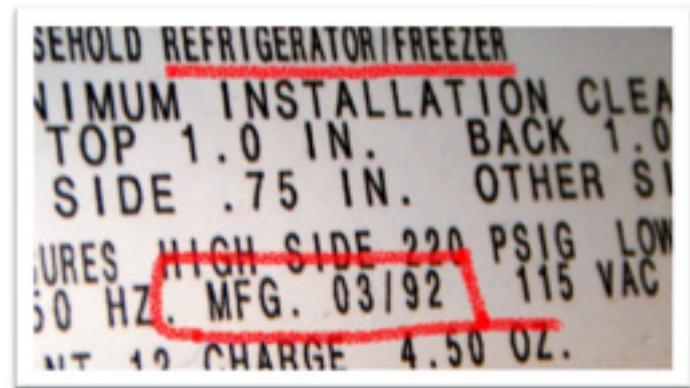
 **Make a COOL CHANGE.**
Recycle Your Old Fridge.



**Is there an old fridge or
freezer chilling your home
budget?**



Older Styles & Colors



Product Name Plate



Calculator at energystar.gov/recycle



U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON

2009





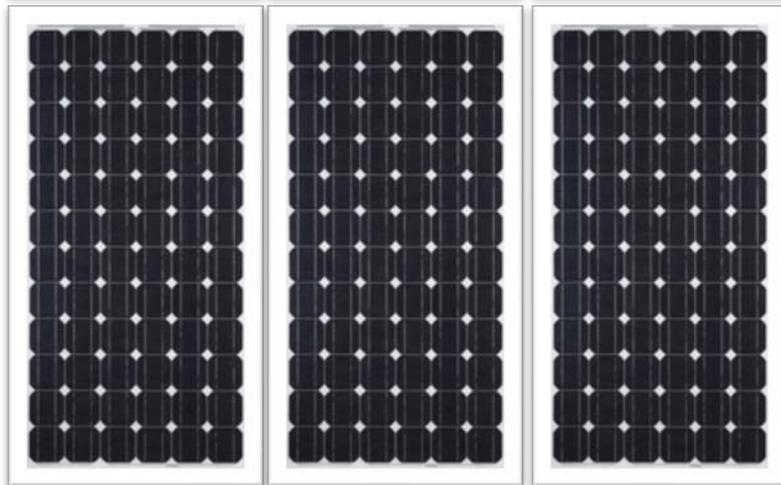
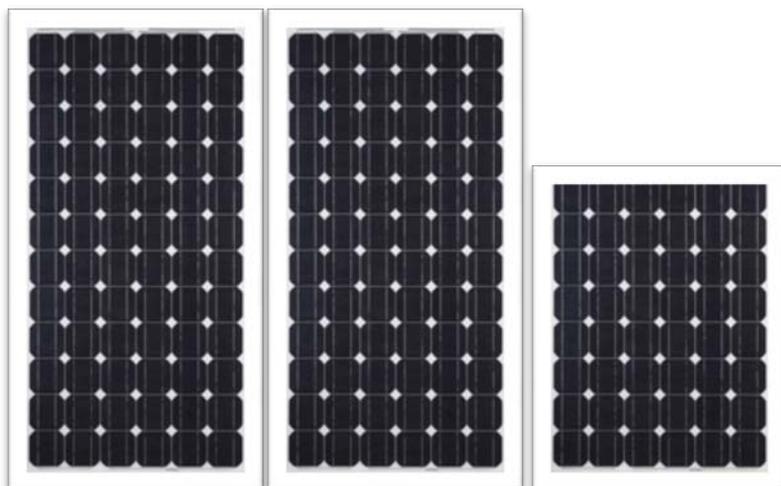
How much more efficient is a new ENERGY STAR qualified fridge or freezer?

- 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.

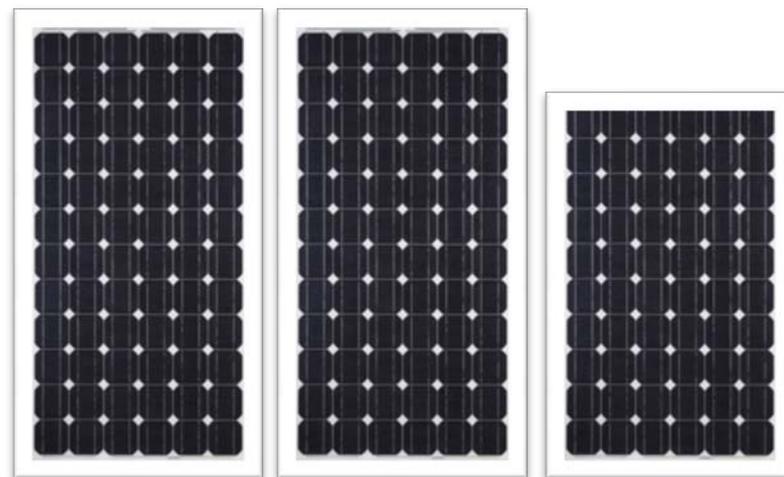


SOLAR DECATHLON

2009



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

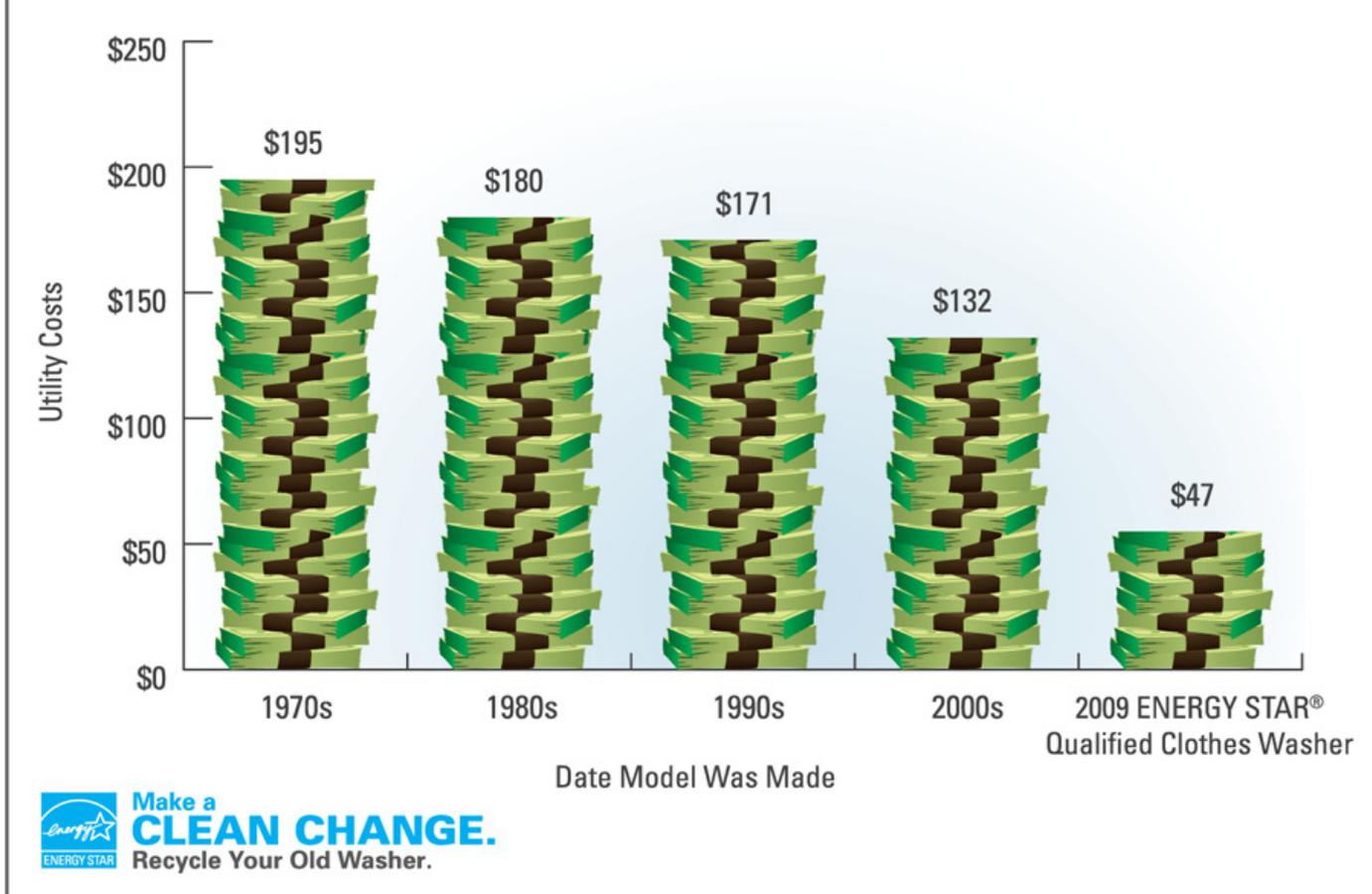


Clothes Washers/Laundry

- 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?



*Includes dryer energy savings due to superior moisture extraction of ENERGY STAR washers.



**Are your water and energy bills
spinning out of control?**



SOLAR DECATHLON

2009





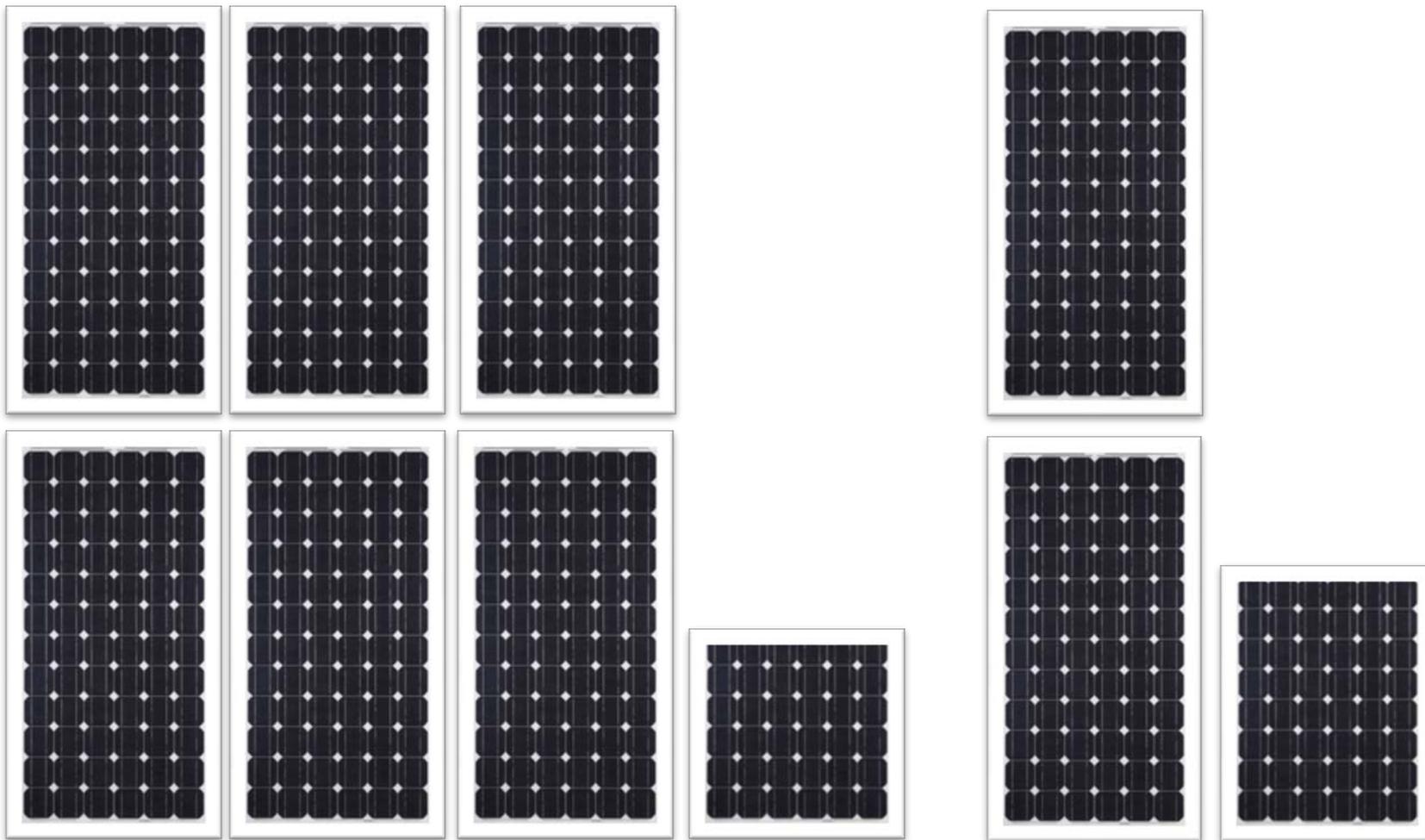
How much more efficient is a new ENERGY STAR qualified clothes washer?

- 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.



SOLAR DECATHLON

2009

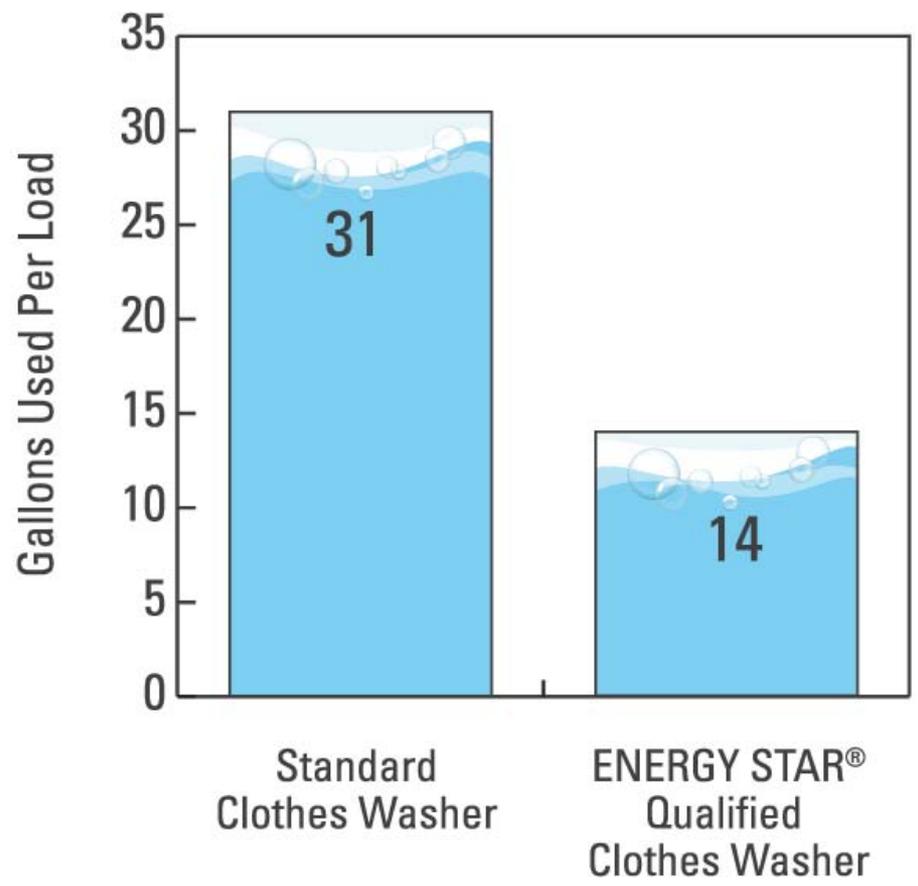


180 Watt Solar Panels
Needed to Power
Pre-2000 Clothes Washer
(annually)

180 Watt Solar Panels Needed
to Power New, ENERGY
STAR Qualified Clothes
Washer (annually)



WATER USE PER-CYCLE



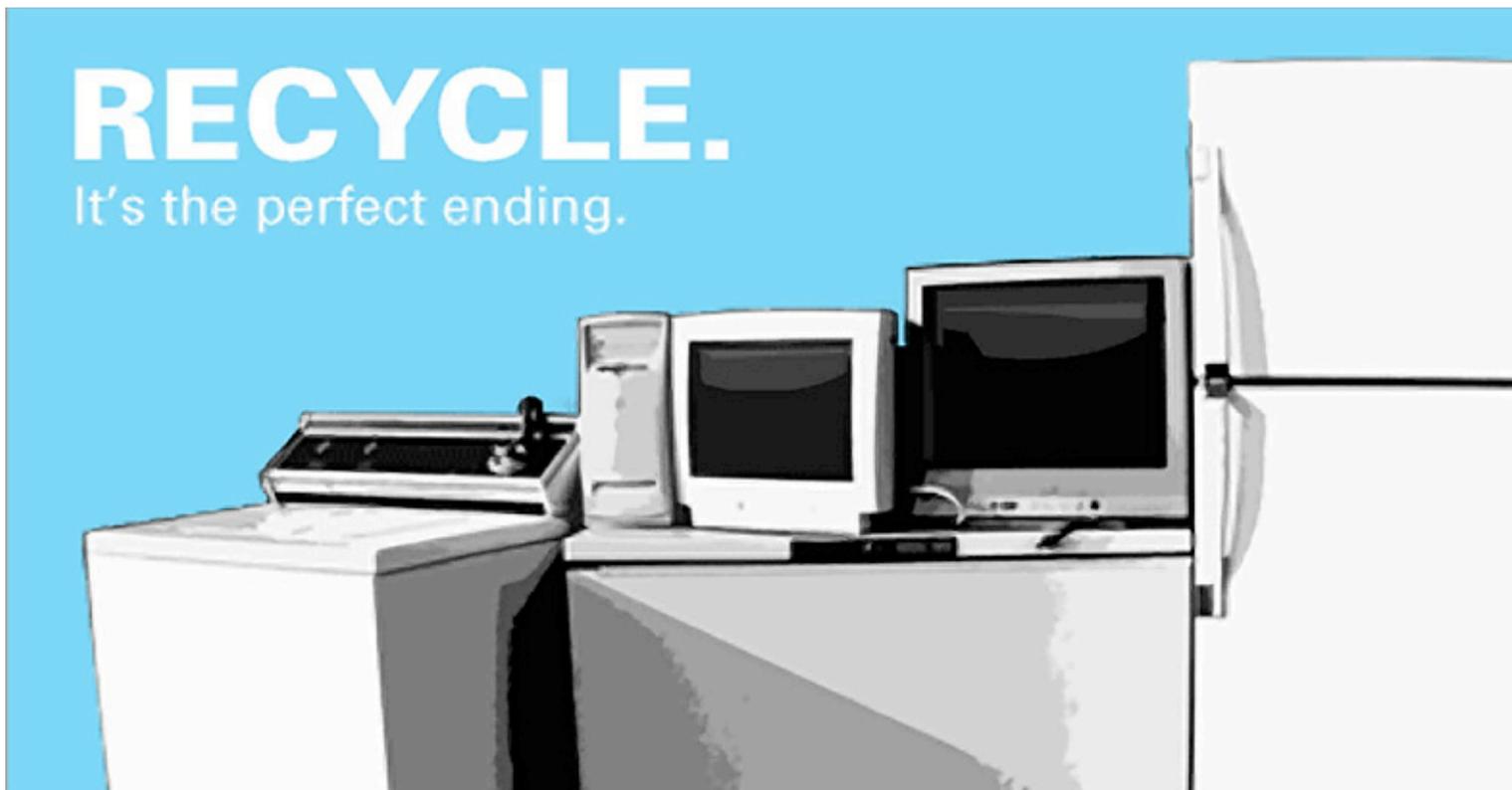


Energy-Saving Tips for Clothes Washers

- 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

Contact:

appliancecampaign@energystar.gov