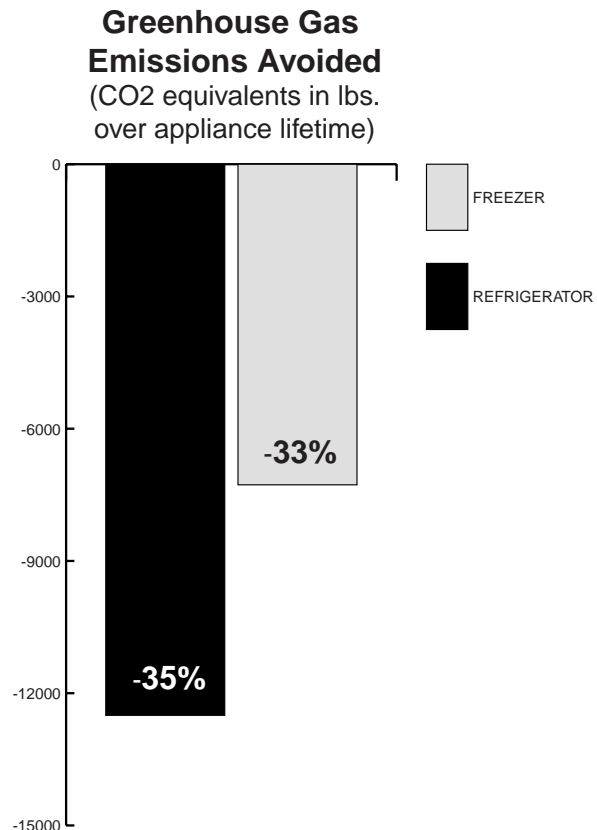


PLASTICS' ENERGY AND GREENHOUSE GAS SAVINGS USING REFRIGERATOR AND FREEZER INSULATION AS A CASE STUDY

Quick Facts:

- The use of modern polyurethane foam in refrigerators reduces energy use by 39 percent and energy-related greenhouse gas emissions by 35 percent.
- If every one of the 106 million household refrigerators in the United States used polyurethane foam insulation, the potential avoidance of greenhouse gasses would reach 35 million tons per year.
- It takes just 1.5 months for the energy saved by the use of polyurethane insulation in refrigerators to surpass the energy used in manufacturing the insulation.
- A refrigerator with polyurethane foam insulation will save \$32 a year on the average household's utility bills.
- The use of modern polyurethane foam in freezers reduces energy use by 39 percent and energy-related greenhouse gas emissions by 33 percent.
- The potential greenhouse emissions avoidance if all 33.4 million household freezers in the United States used polyurethane foam insulation is 6.4 million tons per year.
- It takes just 2.2 months for the energy saved by the use of polyurethane insulation in freezers to surpass the energy used in manufacturing the insulation.
- A freezer with polyurethane foam insulation will save \$20 a year on the average household's utility bills.



Source: Franklin Associates, February 2000