

# Refrigerator Recycling Program (RRP)

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Nebraska Public Power District  
Columbus, NE



# Refrigerator Recycling Program – Background

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- Consultant study of energy efficiency programs identified refrigerator recycling programs as cost effective – TRC=2.14
- Identified Nebraska Department of Environmental Quality waste reduction grants as a possible funding source
- Secured grant to fund 40% of the cost. Remainder secured from NPPD internal sources
- RRP is win-win-win for NPPD, NDEQ, and customers

# Refrigerator Recycling Program - Overview

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- Three year program to recycle a total of 6000 secondary refrigerators and freezers.
- Estimated 112,000 qualifying units within service territory.
- Program from July 1, 2008 through June 30, 2011.
- JACO Environmental markets and delivers the program system wide. (Pay for performance)
- Customer receives \$35 incentive for the unit.

# Refrigerator Recycling Program - Benefits

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- Saves an estimated 57,600,000 kwhs.
- Recycles 900,000 lbs steel, 75,000 lbs plastic, and 6,600 lbs glass and saves related energy.
- Supports environmental objectives to recover mercury, destroy ozone depleting agents, reduce landfill waste and CO<sub>2</sub> emissions.

# Refrigerator Recycling Program – Challenges

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- Geographically scattered customers
- Program delivery through multiple utilities
- Simultaneous management of NDEQ and NPPD objectives