

PROJECT OVERVIEW

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Company Background

The Nebraska Energy Office is a government agency that was established in 1973 as a response to the crisis of energy needs in the state. The state agency offers programs and services which include the Weatherization Assistance Program, Dollar and Energy Savings Loans, and education concerning energy usage. The purpose behind the programs and services provided by the Nebraska Energy Office is to promote the efficient, economic and environmentally responsible use of energy.

Project Description

The primary focus of this project was to evaluate the Nebraska Energy Office's Weatherization Assistance Program in order to determine the programs impacts. Also included in this project was an assessment of NEO's Dollar and Energy Saving Loans program as well as determining the use of NebGuides, which are informational articles with topics regarding energy efficiency.

Impacts

The quantifiable energy impacts, economic impacts, and environmental impacts of this project are summarized in the table on the following page. Another less quantifiable benefit resulting from the completion of this project is the increased education and awareness provided. Public education was addressed through the increased awareness of NebGuides and the programs provided by the Nebraska Energy Office. NEO also gained important knowledge regarding their Weatherization Assistance Program and Dollar and Energy Saving Loans.

Summary of Impacts		
	Total	Per Home
Energy Impacts		
Natural Gas Energy Savings (therms/year)	5,797	73
Electric Energy Savings (kWhs/year)	94,286	1,194
Economic Impacts		
Natural Gas Cost Savings (\$/year)	\$5,317.30	\$66.04
Electric Cost Savings (\$/year)	\$8,297.17	\$105.03
Total Cost Savings (\$/year)	\$13,614.47	\$171.07
Environmental Impacts		
Natural Gas Emission Reductions (MTCO _{2e} /yr)	30.8	0.39
Electric Emission Reductions (MTCO _{2e} /yr)	102.4	1.30
Total Emission Reductions (MTCO _{2e} /yr)	133.2	1.69