

# The Long-term Economic Impact Of Energy Efficiency And Renewable Energy Programs For Iowa



Client

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Facts

Period

1995

Project Country

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**By Glen Weisbrod, Karen R. Polenske, Teresa Lynch and Xianuan Lin. Submitted by Hagler Bailly Consulting for the Iowa Dept. of Natural Resources, 1995**

This report was produced in 1995 by Glen Weisbrod of Hagler Bailly\*, Karen R. Polenske of MIT\*, Teresa Lynch of MIT\* and Xianuan Lin of Boston Univ.. \*Note: Weisbrod and Lynch subsequently became staff of Economic Development Research Group; Dr. Polenske is a consultant to the firm.

This study examined the long-term economic development implications of energy efficiency programs, energy pricing/ cost changes, and renewable energy (biomass and wind power). It received national attention because it featured several firsts:

1. A detailed survey of the state's utilities and agencies to document how different program elements affect the private sector economy through spending, participation, program delivery and trade ally mechanisms;
2. A survey of manufacturers and distributors to document the extent of in-state purchases from suppliers and in-state sales to customers;
3. An economic profile of financial savings, costs incurred and the business revenue gains associated with different types of energy efficiency and renewable energy programs; and
4. Application of a dynamic, time-series model, which extended the basic input-output model framework to also account for price shifts, labor/capital substitution, business profitability and economic development competitiveness issues. The REMI model was used as a basis for applying a larger economic impact forecasting system.

Download report - part 1, which includes the Executive Summary, Ch.1 Introduction and Ch.2 Methodology. pdf file (677k)

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Download report - part 3, which includes Ch.5 Iowa Model Template, Appendix A. Inventory of Iowa Programs and Appendix B. Survey Instrument. pdf file (609k)

Download the article: Weisbrod, G. & H. Friedman. 1996. "Economic Competitiveness Impacts of Utility Rates and Programs" Energy Services Journal, v.2, n.3, Summer, pp.133-146. pdf file (180k)

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