

APPENDIX A

Nebraska Utilities Joint Efforts

NPA Reports

1981	Statewide Generation Planning Study
1981	Energy Conservation Load Management Renewable, R & D, Cogeneration
1982	Statewide Transmission Planning Study
1982	Energy Conservation Load Management Renewable, R & D, Cogeneration
1983	Energy Conservation Load Management Renewable, R & D, Cogeneration
1984	Statewide Generation & Transmission Planning Study
1984	Energy Conservation Load Management Renewable, R & D, Cogeneration
1985	Load Forecasting Methodologies and Procedures Used by Nebraska Utilities
1985	Energy Conservation Load Management Renewable, R & D, Cogeneration
1986	Statewide Resource & Transmission Planning Study
1987	Small Wind Generation Study
1988	Review of Public Power Industry Structure
1988	Energy Conservation Load Management Renewable, R & D, Cogeneration
1988	Advantages of Load Factor Improvements
1991	Electromagnetic Fields - Index of Information Sources And Resource Documents
1991	Statewide Resource & Transmission Planning Study
1991	Energy Conservation Load Management Renewable, R & D, Cogeneration
1994	Statewide Wind Resource Preliminary Economic Study
1995	Biomass to Electric Energy
1995	Renewable Energy Generation Update Report
1996	Statewide Integrated Resource Planning Coordination Report
1997	Summary Report for Integrated Resource Planning Public Forum
1997	Statewide Integrated Resource Planning Summary
1999	Nebraska Wind Energy Site Data Study
2001	Statewide Integrated Resource Planning Summary

In addition an annual load and capability report for the state has been prepared since 1985.

2) Other Joint Activity

NPPD-OPPD Nuclear Operating Company Feasibility Study

NPPD and OPPD have formed a task force to determine the feasibility of and the potential efficiencies and performance improvements that could have been obtained through the joint and cooperative operation and maintenance of Cooper Nuclear Station and Fort Calhoun Nuclear Station. The vision of the study was to create a Nebraska Operating Company to maintain or enhance safety while improving operational and financial performance. At this time the NPPD and OPPD Boards' of Directors have chosen not to pursue this option.

Wind Generation Project - Springview, Nebraska

NPPD, LES, MEAN, the City of Grand Island, the City of Auburn, KBR Rural Public Power District, the Department of Energy, and EPRI participate in a wind generation project. Two 750 kW wind turbines were installed in the fall of 1998 near Springview, Nebraska.

Nebraska Joint Resource Planning

During the early part of 1999, LES, OPPD, and NPPD met four times over an approximately two-month period to investigate preliminary ideas about a joint power supply resource to be installed in 2003 or thereafter. Information was shared about the needs and options being considered by the individual utilities. Preliminary detailed production runs were individually performed for a gas-fired combined cycle plant. Each utility modeled an equal 1/3 share of the plant.

Generally, the results were fairly market dependent with the combined cycle being dispatched some of the time to sell into the non-firm energy market.

No further joint work is planned for the immediate future for the following reasons:

(1) For LES and NPPD the future shares to be taken from Cooper Nuclear Station after 2003 were not known, which considerably affected a joint combined cycle decision.

(2) The utilities all generally had different capacity requirement dates.

Whelan Energy Center Unit #2

Since 2001, eight public power utilities, including seven Nebraska utilities and one South Dakota utility, have been studying the feasibility of constructing a 220 MW pulverized coal-fired generating station adjacent to the existing Whelan Energy Center, near Hastings, Nebraska. None of the project participants have made a firm commitment to participate in the project at this time. Based on the work done to date, including cost projections and permitting activities, this project is a feasible resource to meet Nebraska's baseload needs in the 2007 to 2009 time frame.

Significant preliminary work had been completed on the project. Conceptual design has been completed and an application for a Prevention of Significant Deterioration (PSD) construction permit has been submitted to the Nebraska Department of Environmental Quality (NDEQ). It is anticipated that the PSD permit would be issued in the fall of 2003.

