

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY
AND LICENSING BOARD

In the Matter of

PORTLAND GENERAL ELECTRIC)
COMPANY, ET AL.)

DOCKET NOS. 50-514
50-515

(PEBBLE SPRINGS NUCLEAR PLANT,)
UNITS 1 and 2)

TESTIMONY OF

ROBERT B. EASTVEDT

In the Form of an

Addendum to Appendix C*

of Supplement No. 1

of the

Final Environmental Statement

Related to Construction of

Pebble Springs Nuclear Plant,

Units 1 and 2, NUPEG 75/025 (Supp. No. 1)

*Analysis of Bulk Transmission System Requirements Associated with Alternative
Sites for the Pebble Springs Nuclear Generating Facilities.

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Certified By

[Signature]

Q. Please state your name and business address.

A. My name is Robert B. Eastvedt. My address is Division of System Engineering, Bonneville Power Administration, 1002 N.E. Holladay Street, Portland, OR 97208.

Q. Please state your professional qualifications.

A. I am an electrical engineer registered in the State of Washington. My business title is Chief Engineering Economics Engineer, Bonneville Power Administration (BPA). My current responsibilities include economic and reliability evaluation of electrical transmission system additions to the Federal transmission system in the Pacific Northwest.

I received a Bachelor of Science degree from the University of California at Berkeley. My technical training included studies in electrical engineering.

From 1949 to 1981, I held a variety of positions with BPA, with particular emphasis on transmission system planning. I have worked closely with utilities comprising the Western System Coordinating Council to develop reliability criteria adopted by the Council.

I am a senior member of the Institute of Electrical and Electronic Engineers and the Power Engineering Society including its Power System Engineering Committee and System Economics Subcommittee.

I have authored or co-authored several papers for IEEE relating to power system reliability and economic selection of alternatives.

I have been a technical advisor to two EPRI projects involving research project economic assessment and reliability assessment of power systems.

Q. What is the purpose of this testimony?

A. The purpose of this testimony is to update the material in Appendix C to reflect conditions which have occurred since April 1980.

Q. Did you prepare the material in Appendix C?

A. Yes, I did.

Q. What changes are you recommending to Appendix C?

A. I recommend the following changes:

1. We understand that the Skagit site is no longer a viable site. That site should be deleted from Appendix C.

2. The two nuclear units originally proposed by Puget Sound Power and Light Company at the Skagit site have been tentatively relocated at a new site (Skagit-Hanford) within the Hanford reservation. This relocation will not

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