

BEFORE THE STATE OF WASHINGTON
THERMAL POWER PLANT SITE EVALUATION COUNCIL

In the Matter of Application
No. 74-2 of the

WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

A Municipal Corporation of
the State of Washington

} FINDINGS OF FACT,
} CONCLUSIONS OF LAW AND
} ORDER REGARDING THE FINAL
} HEARING ON THERMAL POWER
} PLANT SITE APPLICATION
} NO. TPPSEC 74-2

This matter came on regularly for hearing at 10:00 a.m.,
March 17, 1975, at the Washington Utilities and Transportation Com-
mission Hearing Room, 6th Floor, Highways-Licenses Building, Olympia,
Washington, before Legal Examiner John von Reis and the following
members of the Thermal Power Plant Site Evaluation Council:

Thomas C. Stacer Acting Chairman	Utilities and Transportation Commission
George Hansen	Department of Ecology
Ralph Larson	Department of Game
Charles Woelke	Department of Fisheries
John Clark	State Parks and Recreation Commission
Samuel Reed	Department of Social & Health Services
Gerald Pelton	Interagency Committee For Outdoor Recreation
Lawrence Bradley	Department of Commerce & Economic Development

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Bruce Reeves	Department of Natural Resources
Frederick Clagett	Planning and Community Affairs Agency
David Guier	Department of Emergency Services
Virgil Cunningham	Department of Agriculture
Wesley Brown	Benton County

The parties were represented as follows:

APPLICANT: WASHINGTON PUBLIC POWER SUPPLY SYSTEM
By Richard Quigley
Attorney at Law
3000 George Washington Way
Richland, Washington 99352

and

By Joel Haggard
Attorney at Law
900 Hoge Building
Seattle, Washington 98104

COUNSEL FOR THE ENVIRONMENT
By Malachy Murphy
Deputy Attorney General
Temple of Justice
Olympia, Washington 98504

DEPARTMENT OF SOCIAL & HEALTH SERVICES
By Thomas Shepherd
Bldg. 4, Tumwater Airindustrial Park
Tumwater, Washington 98501

Seven public witnesses and eight witnesses for the applicant testified during the six days of public hearings held in this matter.

Having considered the record in this matter and having been advised thereof, the Council makes the following findings of fact:

FINDINGS OF FACT

1. On May 29, 1974, the Washington Public Power Supply System ("WPPSS" or "the Supply System") a municipal corporation of the State of Washington, applied to the Council for certification of a thermal power plant site located on the United States Energy Resource and Development Administration's Hanford Nuclear Reservation near the city of Richland, Washington, in Benton County, State of Washington, and more particularly described as follows:

Beginning at the Southwest Corner of Section 11, Township 11 North, Range 28 East, W.M., (said point being located by reference to the Washington Coordinate System South zone at coordinates North 408.335.30 and East 2,307,635.50) thence North $65^{\circ}-17'-03''$ West 12,113.14 feet, which point is the true point of beginning (said point being located by reference to the Washington Coordinate System, South zone, at coordinates North 413,400.00 and East 2,296,650.00); thence North $01^{\circ}-01'-28''$, West 3000.48 feet to a point; thence East 5280.00 feet to a point; thence South $01^{\circ}-01'-23''$ East 3000.48 feet to a point; thence West 5280.00 feet to the point of beginning, and

A parcel of land lying in Section 3 & 4 of Township 11 North and Sections 33 and 34 of Township 12 North, Range 28 East, Willamette Meridian described as:

Beginning at the Southwest corner of Section 11, Township 11 North, Range 28 East, W.M., (said point being located by reference to the Washington State Coordinate System South zone at coordinates North 408,335.30 and East 2,307,653.50) thence North $50^{\circ}-42'-00''$ West 14,311.63 feet, which point is the true point of beginning (said point being located by reference to the Washington State Coordinate System, South zone, at

coordinates North 417,400.00 and East 2,296,578.57) thence North 01°-01'-23" West 1,600.25 feet in Township 11 and 1,400.23 feet in Township 12 North (total 3,000.48 feet) to a point, thence East 5,280.0' to a point, thence South 01°-01'-23" East 1,200.19 feet to a point thence East, 5,973.57 feet to a point, which is a point on the borderline of Townships 11 and 12 North thence South 01°-01'-23" West 1,800.29 feet to a point, thence West 11,189.29 feet to true point of beginning.

2. The Supply System is a municipal corporation and joint operating agency of the State of Washington and is authorized to acquire, construct and operate plants and facilities for generating and transmitting electric power. The Supply System was created to provide its members adequate, reliable and low-cost power. Eighteen public utility districts and three municipal electric companies participate in the Supply System. The Supply System is empowered to contract for the sale, purchase, interchange or use of electricity with any person or association; pursuant to such contracts, the System may purchase power at or deliver power to any specified point.

3. The Supply System proposes to locate two 1267 megawatt nuclear powered electric generating plants on the above-described site. Each plant will consist of a nuclear steam supply system, a turbine generator, electric transformers, a transmission system, water make-up and treating facilities, and a waste-heat dissipation system. The Supply System selected nuclear fuel for these projects on the basis of its estimates that nuclear fuel would provide lower total electric generating costs and would cause less environmental impact than would fossil fuels. Hanford Nuclear Project No. 1 is scheduled for commercial operation in 1980; Hanford Nuclear Project No. 4 is scheduled for commercial operation in 1982.

4. Project No. 1 is a part of Phase 1 of the Pacific Northwest Region's Hydro-Thermal Power Program. Project No. 4 is included in Phase 2 of that program. The selling price of power generated by Project No. 1 will be determined by combining that project's generating costs with the lower costs of hydro-generated power from projects whose outputs, like that of Project No. 1, are delivered to the Bonneville Power Administration transmission system. All Bonneville Power Administration ratepayers will bear a portion of the output of Project No. 1, thereby lowering the selling price of that project's power. The Bonneville Power Administration does not have Congressional authority to perform a similar combining of costs for power generated from Phase 2 hydro-thermal projects, so the power generated by Project No. 4 will be sold at a higher absolute-cost-plus-services basis.

5. The above-mentioned hydro-thermal program is a cooperative plan developed by Pacific Northwest utilities to provide an adequate electricity supply for regional load requirements through 1985. The utilities have forecasted a supply deficiency for the period from 1980 to 1985, and beyond, which forecasted deficiency would exceed the anticipated output of the projects at issue herein.

The 104 participants in the Supply System have committed to purchase 67.53% of the output of Nuclear Project No. 1. Five investor-owned utilities will purchase 32.47% of that project's output. Project financing will be accomplished by the periodic issuance of long-term revenue bonds. Nuclear Project No. 4 will be financed

by the Supply System, and that project's output will be sold to the System's customers or to the Bonneville Power Administration.

6. By order issued July 22, 1974, the Council determined and declared that the nuclear power plant site proposed in Application No. 74-2 was consistent with and in compliance with Benton County zoning plans.

7. On April 28, 1975, the Council approved issuance of a National Pollutant Discharge Elimination System permit authorizing the discharge of pollutants from Projects 1 and 4 into specified waters of the Columbia River. On that same day the Council certified that discharges from the projects made in adherence to the terms and conditions of this permit would comply with Sections 301, 302, 306, and 307 of the Federal Water Pollution Control Act, as amended.

8. The material which applicant has submitted in its application of May 29, 1974, as amended, and in the public hearings held in this matter, is sufficient to comply with the Council's topical guidelines set forth in the provisions of WAC 463-12.

9. Transmission and service lines associated with the project will conform, insofar as is practicable, with criteria set forth in "Environmental Criteria For Electric Transmission Systems," published in February, 1970, by the U. S. Departments of Agriculture and the Interior.

10. The Supply System has committed to develop a detailed emergency plan adhering to criteria set forth in 10 CFR 50.34a and 10 CFR 50 Appendix E and complying with relevant obligations set forth in the Radiological Emergency Response Plan of the Washington State Department of Emergency Services. The emergency plan will be developed in coordination with those local, state and federal agencies which will be directly involved in the plan's implementation.

11. The United States Nuclear Regulatory Commission licensing process for the project will entail the Supply System's submission of a comprehensive security plan to protect the plants against sabotage. A summary of this plan will be included in the project's Final Safety Analysis Report, but the body of the plan will not be publicly disclosed.

12. The proposal contains adequate provisions for access roads to plant facilities.

13. The project as proposed complies with pertinent local and state health and safety standards.

14. The Supply System has committed to a project Visitor Information Center presently planned to be located in Richland, Washington. The Supply System will replace recreational opportunities directed affected in an adverse manner by project activities when such replacement is found necessary by the Council. The Hanford Nuclear Reservation, on which the proposed site is located, is presently closed to the public by the United States Energy and Resource Development Administration.

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15. Applicant's proposal contains adequate provisions to minimize the project's impact on land in the area, both during and after construction.

16. The project proposal adequately provides for control of construction runoff.

17. Project operation will require usage of Columbia River water at maximum levels of 72,000,000 gallons per day and 1,656,000,000 gallons per thirty days. Discharges from the project to waters of the United States may only be made subject to provisions of the previously-mentioned National Pollutant Discharge Elimination System permit.

18. The proposal adequately provides for minimization of pollutant discharges to the atmosphere and for the compliance of such proposals with local, state and federal air pollution control standards.

19. Applicant has adequately described area vegetation and fish and other animal life and has committed to protecting and replacing such life and its environs on a population basis in any manner the Council finds necessary.

20. The proposed project, to be painted primarily in brown hues, will be aesthetically compatible with its surroundings.

21. Applicant has adequately provided for description and preservation of historical and archaeological sites within

project boundaries and transmission corridors. No recreational resources and facilities will be added on or near the site, inasmuch as the area of the proposed project is closed to public access.

22. Applicant has committed to a monitoring program adequate to permit independent assessment and evaluation of the project's physical effects upon its environs during construction and operation.

23. Applicant has committed to monitor the social and economic impacts of the project's construction and operation on individuals, communities and municipalities in the area. Where such impacts are significant and adverse, applicant has committed to take reasonably necessary actions to alleviate or minimize the impacts.

CONCLUSIONS OF LAW

1. The Washington State Thermal Power Plant Site Evaluation Council has jurisdiction over the persons and the subject matter of this application and hearing.

2. Having evaluated the material contained in Application No. 74-2, the Council recommends to the Governor of the State of Washington that he approve the application and certify the above-described site for construction of thermal power plant electric generating facilities, contingent upon execution by the Governor and the applicant of a Site Certification Agreement as set forth by the Council in its "Site Certification Agreement for WPPSS Nuclear

Projects Nos. 1 and 4 (WNP 1 and 4) Between the State of Washington and the Washington Public Power Supply System," attached as Appendix A hereto, and by this reference made a part hereof. The attached Site Certification Agreement contains criteria specific to the site and to routing of transmission lines inside and outward from the project, which criteria the Council deems and recommends as essential to guarding the safety of the citizens of the state and to minimizing the adverse effects of the proposed project.

O R D E R

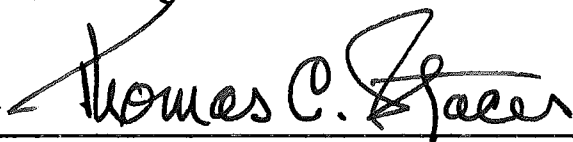
THE WASHINGTON STATE THERMAL POWER PLANT SITE EVALUATION COUNCIL HEREBY ORDERS that its determination that Application No. 74-2 complies with the Council's topical guidelines, and its recommendation that the Governor of the State of Washington approve the application and certify the site for construction of thermal power plant electric generating facilities contingent on execution by the Governor and the applicant of an attached Site Certification Agreement containing criteria specific to the site and to transmission line routing, as said determination and contingent recommendation are embodied in the above findings of fact and conclusions of law and appendix thereto attached, be reported and forwarded to the Governor of the State of Washington for his consideration and action.

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ENTERED into this 30th day of June, 1975.

WASHINGTON STATE THERMAL POWER
PLANT SITE EVALUATION COUNCIL

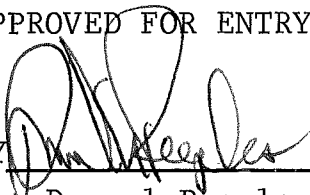
BY



Thomas C. Stacer
Acting Chairman

APPROVED FOR ENTRY:

BY



Darrel Peeples
Assistant Attorney General