

ORIGINAL

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FEDERAL ENERGY REGULATORY COMMISSION

Ladies and Gentlemen:

My name is Clarence A. Bolin. This is my application for inclusion in the Panel Member List for Hydropower Licensing Study Dispute Resolution (Docket No. AD04-4-000). I recently retired from the Bureau of Reclamation, Department of the Interior, (August 21, 2004) as a power systems engineer. I am qualified for the electrical and general engineering subsections of the panel member list for the following reasons:

1. I received a BSEE, majoring in power, from the University of Arkansas in January, 1962. While a student, I was inducted into Tau Beta Pi (an honorary general engineering fraternity and Eta Kappa Nu (an honorary electrical engineering fraternity). I have also been a member of the Institute of Electrical and Electronic Engineers since 1975, serving terms as Vice-Chairman and Chairman of my local section.
2. I began work with the Engineering and Research Center of the Bureau of Reclamation, Department of the Interior, in August of 1962 after serving over a year of active duty as a member of the United States Army Reserve. I was classified as a transmission engineer and was promoted from an entry level GS-5 to a journeyman engineer level of GS-11 in less than three years.
3. During this time, I was lead electrical engineer on one of the first high altitude EHV (345-KV) substations in the United States, both designing the substation and writing the specifications for the purchase of the equipment.
4. I was then made lead electrical engineer on the Consolidated 230-KV Switchyard at Grand Coulee Dam. This project combined the two existing 230-KV switchyards at the dam into one new 230-KV switchyard located on the site of one of the existing 230-KV switchyards. In addition to designing the new switchyard, I wrote the specifications for the new equipment and scheduled the replacement of the two existing switchyards by the new switchyard. This replacement had to be accomplished in six stages over a period of about a year and a half. The completion of each stage on time was crucial in preventing the Federal Columbia River Power System from suffering a major outage. All work was accomplished on schedule, resulting in no outages, and less than ten percent over budget.
5. In August of 1967, I accepted a position as power system engineer (GS-12) in the Pacific Northwest Region of the Bureau of Reclamation. My new duties were many and varied. The two most important duties were the planning of new hydroelectric powerplants and their associated switchyards; then the negotiation of wheeling contracts to transmit Federal power over the systems of local utilities to those irrigation pumping

- projects which were remote from Federal generation. These local utilities were both investor-owned and public power agencies.
6. Beginning in 1978 and continuing until my retirement, I was also assigned the responsibility of performing studies to determine the power rates to be charged to Reclamation's irrigation pumping power loads in the region. There are three different rates for various projects operating under different authorizations and contracts. I reviewed each of these rates annually and revised them every three to five years as needed.
 7. In 1981 and continuing until my retirement, I was also assigned to be the coordinator of FERC-related activities for the Pacific Northwest Region of the Bureau of Reclamation. In this capacity, it was my responsibility to see that the proper personnel in my region reviewed all applications for FERC permits, exemptions, and licenses and that the comments on these applications were coordinated before being forwarded to FERC.
 8. Following the issuance of FERC licenses and exemptions on Reclamation facilities, it was my responsibility to negotiate site-use agreements with the licensees/exemptees to provide adequate protection of Reclamation interests at these sites. This protection was always achieved without compromising the ability of the licensees/exemptees to develop economically viable projects. During this twenty-three year period, I have been the principal negotiator for twenty site-use agreements for power plants ranging in size from less than one megawatt to seventy-four megawatts.
 9. On one occasion in July of 1985, I was informed by the Corps of Engineers, which had performed an overflight to provide data for a 401 permit, that significant environmental damage appeared to have been done by the licensee's contractor for the Felt Project (FERC No. 5089) in bulldozing an access road across Reclamation lands. I confirmed the damage report and contacted the FERC regional office in Fort Worth, described the damage, and requested a stop-work order. This stop-work order was granted the same day, July 17, 1985. The subsequent investigation resulted in major fines by FERC for the licensee. FERC staff later informed me that this was the first time that a stop-work order had ever been issued due to environmental damage.
 10. On another occasion, an advisory committee of state and Federal resource agencies and local special interest groups was established to monitor and advise the licensee on the construction of the Island Park Project (FERC No. 2973) at Reclamation's Island Park Dam in eastern Idaho. I was assigned to be the Reclamation representative on this committee and served

in this capacity for the entire time that the project was under construction; a period of about three years.

11. More recently, I have served for over four years as Reclamation's representative in the proceedings leading to the relicensing of Idaho Power Company's Hells Canyon Project (FERC No. 1971).
12. I served as a consultant on behalf of the Department of the Interior to the Skokomish Indian Tribe in its contention of the relicensing of the Cushman Project (FERC No. 460).
13. I served as my agency's representative on the Comprehensive Review of the Pacific Northwest power system which was conducted by the Northwest Power Planning Council during 1996-1998 time period.
14. During the period 2002-2004, I was a member of the team assigned by the Bureau of Reclamation to develop a new hydroelectric power policy for the agency to be used as a guide in its newly restructured mission.

This long period of involvement in the power industry in general reflects an in-depth and ongoing familiarity with this industry. My involvement in FERC projects, cited in 7 – 12 above, reflect a special knowledge of FERC regulations and extensive experience with the FERC licensing/relicensing process. This experience covered the evolution of these regulations and this process over a period of more than twenty years.

Further examples of the level of responsibility with which I was entrusted are:

1. From 1978 until 1999, I was responsible for the radio communications program for the seven projects in my region. This program included land mobile systems, hydrometeorological data gathering systems (both terrestrial and satellite based), and remote supervisory and control systems for ten power plants and associated storage and irrigation systems.
2. In 1998, I was assigned as regional coordinator for Y2K testing and remediation for the power facilities in the Pacific Northwest Region of the Bureau of Reclamation. As a result of my oversight of this program, there were no significant problems due to Y2K failures in my region.

As references, I offer the following:

1. John Keys, formerly regional director of the Pacific Northwest Region of the Bureau of Reclamation and now the Commissioner of Reclamation. Mr. Keys' address is:

Commissioner
Bureau of Reclamation (W-1000)
1849 C Street NW
Washington DC 20240-0001

2. Deborah Linke, Manager of the Power Resources Office of Reclamation, from whom I received the "Heart of Hydro" Award, upon my retirement from Reclamation. Ms Linke's address is:

Manager, Power Resources Office
Bureau of Reclamation (D-5400)
P.O. Box 25007
Denver CO 80225-0007

3. Terald E. Kent, currently Program Manager of Facilities Operation and Maintenance for the Pacific Northwest Region of Reclamation and my supervisor from 1980 until my retirement. Mr. Kent's address is:

Program Manager
Bureau of Reclamation (PN-3200)
150 North Curtis Road, Suite 100
Boise ID 83706-1234

My e-mail address is balein@msn.com.

My home address is:

918 Ranch Road
Boise ID 83702

My telephone number is (208) 342-1298.

Sincerely,

Clarence A. Bolin