

1 QUALIFICATION STATEMENT OF

2 BARTHOLOMEW A. McMANUS

3 Witness for the Bonneville Power Administration

4 *Q. Please state your name, employer, and business address.*

5 A. My name is Bartholomew A. McManus. I am an employee for the Bonneville Power
6 Administration, 5411 NE Hwy 99, Vancouver, WA 98666.

7 *Q. In what capacity are you employed?*

8 A. I am an Electrical Engineer in Technical Operations in charge of Automatic Generation
9 Control (AGC).

10 *Q. Please state your educational background.*

11 A. I received a Bachelor of Science in Electrical Engineering (BSEE) from the University of
12 Washington in 1993.

13 *Q. Please summarize your professional experience.*

14 A. I was hired by BPA in October, 1994. I was the programmer for the Automatic
15 Generation Control (AGC) system for approximately nine years. In 2003, I moved to the
16 Technical Operations section and took charge of AGC for BPA. In this position I insure
17 our AGC system operates correctly with respect to national and regional standards. I
18 have been involved with wind integration issues since 2006 and am the technical lead for
19 transmission on our Wind Integration Team. I was a member of the Western Electricity
20 Coordinating Council (WECC) Performance Work Group, North American Electric
21 Reliability Corporation (NERC) Resources Subcommittee and the Northwest Power Pool
22 (NWPP) from 2003 through 2007. I was a member of the WECC Control work group
23 from 1995 through 2003, serving as chair from 1998 through 2003. I am also a member
24 of multiple transmission operations-related taskforces and committees, including: WECC
25 Operating Committee, WECC Technical Operations Subcommittee, the newly formed
26 WECC Variable Generation Subcommittee and NWPP Operating Committee.

1 *Q. Please state your experience as a witness in previous BPA proceedings.*

2 A. I have not participated as a witness in previous BPA proceedings but did participate in
3 the Wind Integration Rate case for 2009.