

BP-14 Initial Rate Proposal

# Qualification Statements

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November 2012

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BP-14-Q-BPA-01 through BP-14-Q-BPA 69





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**2014 BPA RATE CASE  
WITNESS QUALIFICATION STATEMENTS**

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1 QUALIFICATION STATEMENT OF

2 EHUD BEN ABADI

3 Witness for the Bonneville Power Administration

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

5 A. My name is Ehud Ben Abadi. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am an Industry Economist in Power Services Business Operations.

9 *Q. Please state your educational background.*

10 A. I hold a B.A. in Economics from the University of Rochester and an M.S. in Economics  
11 from the University of Oregon.

12 *Q. Please summarize your professional experience.*

13 A. Since being hired at BPA in November 2010, I have worked on the Resource Program.  
14 This has entailed conducting research on generating resource costs and utilizing the  
15 MicroFin spreadsheet model to assist in providing generator levelized cost estimates.  
16 Prior to working at Bonneville, I was employed as a Reporter at Argus Media Ltd. for  
17 one year, writing articles on Western wholesale power markets, and forecasting prices.  
18 From 2006 to 2009 I was employed by Economic Insight Inc. as an Economist/Reporter,  
19 writing articles and working as a consultant on wholesale power and natural gas issues.

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

21 A. I have not served as a witness in previous proceedings.

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1 QUALIFICATION STATEMENT OF

2 STEPHANIE A. ADAMS

3 Witness for the Bonneville Power Administration

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

5 A. My name is Stephanie A. Adams. I am employed by the Bonneville Power  
6 Administration (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am a Financial Analyst in the Analysis and Requirements group in Corporate Finance.

9 *Q. Please state your educational background.*

10 A. I received a Bachelor of Science degree in Business Management and Organizational  
11 Leadership from Eastern Oregon University in 2007 and a Post-Baccalaureate of Science  
12 degree in Finance from Portland State University in 2009.

13 *Q. Please summarize your professional experience.*

14 A. I have been employed by BPA as a Financial Analyst since February 2008. I am  
15 responsible for coordinating and developing material for the following finance public  
16 processes: the Integrated Program Review (IPR), the Capital Investment Review (CIR),  
17 the Quarterly Business Review (QBR) and Strategic Capital Discussions. I also conduct  
18 research and analysis on a variety of financial issues related to spending level  
19 development, financial results and performance, process improvement, revenue  
20 requirements, and risk mitigation.

21 Before coming to BPA, I spent two years working for Portland General Electric  
22 Company and prior to that two years working for West Linn Paper Company while  
23 attending school to complete my Bachelor and Post-Baccalaureate degrees. During my  
24 tenure at Portland General Electric I was a Regulatory Legal Assistant, where I focused  
25 on contract management, data request/document review, and the development/processing  
26 of regulatory filings.

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

A. I have not served as a witness in previous proceedings.

1 QUALIFICATION STATEMENT OF

2 KATHERINE L. BEALE

3 Witness for the Bonneville Power Administration

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

5 A. My name is Katherine L. (Kasi) Beale. I am employed by the Bonneville Power  
6 Administration (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am a Supervisory Public Utilities Specialist in the Generation Scheduling Support  
9 Group in Power Services.

10 *Q. Please state your educational background.*

11 A. I received a Master of Science degree in Agricultural and Resource Economics from  
12 Oregon State University in 1984. My undergraduate degree is a Bachelor of Science in  
13 General Agriculture, with dual majors in Agricultural and Resource Economics and  
14 Horticulture, from Oregon State University in 1981.

15 *Q. Please summarize your professional experience.*

16 A. After graduation I worked as a consultant in fisheries and natural resource economics for  
17 several years and then worked part-time for the Oregon Department of Energy for about  
18 two years before coming to BPA in 1991. At BPA I have worked in various positions as  
19 an Industry Economist, Program Analyst, Risk Analyst, Project Manager, and Public  
20 Utilities Specialist, and I currently manage the Generation Scheduling Support Group.

21 *Q. What does the Generation Scheduling Support Group do?*

22 A. We provide analysis, project management, and coordination on policy and technical  
23 issues affecting generation scheduling.

24 *Q. Please describe your duties as manager of Generation Scheduling Support.*

25 A. I supervise a group of eight people who are involved in day to day analysis of  
26 operational events, studies of how wind is affecting the BPA system, coordination of

1 wind forecasting development, coordination of compliance activities that are assigned to  
2 Power Services, operational coordination with the Mid-Columbia utilities, analysis of  
3 variable costs of VERBS service, and other various studies as the need arises. We also  
4 provide testimony and studies for some portions of the Generation Inputs section of rate  
5 cases.

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

7 *A.* I was involved in analysis for the WI-09 Wind Integration rate proceeding and served as  
8 a witness on the panel for Variable Cost for Generation Input Capacity in WP-10. In the  
9 BP-12 rate proceeding I was a witness for the Generation Inputs Policy and ACS Rate  
10 Design panels.

1 QUALIFICATION STATEMENT OF

2 STEVEN R. BELLCOFF

3 Witness for the Bonneville Power Administration

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

5 A. My name is Steven R. Bellcoff. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am a Public Utilities Specialist in the Long Term Power Planning section of the Power  
9 & Operation Planning group for Power Services.

10 *Q. Please state your educational background.*

11 A. I received a Associates of Applied Science degree in Civil Engineering Technology from  
12 the Mt. Hood Community College in Gresham, Oregon, in 1991.

13 *Q. Please summarize your professional experience.*

14 A. I have been employed by BPA since 2008 as a Public Utilities Specialist. I work in the  
15 group that is responsible for the development and implementation of database models that  
16 aggregate estimates of Federal system and regional total retail loads, contract obligations,  
17 and generating resource capabilities for use by BPA for short- to long-range energy and  
18 capacity planning. I am responsible for compiling this information for BPA's Loads and  
19 Resources Study used for BPA ratemaking, BPA's Pacific Northwest Loads and  
20 Resources Study (the White Book), and other reports, analyses, and data requests for  
21 BPA and other parties in the Pacific Northwest region.

22 Prior to becoming a BPA employee, I was a contractor to BPA for 17 years,  
23 working in the Federal Hydro projects group. In this role, I ran and managed the  
24 Performance Indicator system (data management and analysis of the Performance of the  
25 Federal hydro system); I was responsible for data analysis and management within the  
26 Asset Management Program of benchmarking data (physical, operation, and cost data);

1 and I served as the Technical Lead of the Pacific Northwest Hydro Site Database  
2 (existing and proposed hydro electric projects in the four-state Pacific Northwest)  
3 responsible for day-to-day operation, maintenance, and review of data and the database.

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

5 *A. I have not served as a witness in any previous proceedings.*

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1 QUALIFICATION STATEMENT OF

2 JUERGEN M. BERMEJO

3 Witness for the Bonneville Power Administration

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

5 A. My name is Juergen M. Bermejo. I am employed by the Bonneville Power  
6 Administration (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am a Public Utilities Specialist in the Generation Technical Support group in Power  
9 Services.

10 *Q. Please state your educational background.*

11 A. I received a Bachelor of Business Administration degree from the University of Portland,  
12 School of Business, in May 1993.

13 *Q. Please summarize your professional experience.*

14 A. I began work at BPA as a student in 1991, assisting with the preparation of environmental  
15 assessments and data collection.

16 From May 1993 to December 1997, I worked in the System Analysis section  
17 developing and operating models for analyzing hydro system sustained peaking  
18 capability, regional and BPA generation system reliability, and short-term coordination of  
19 operations. Specifically, I co-developed a linear programming model of the regional  
20 hydroelectric generating system's 35 primary projects for sustained peak generation  
21 analysis. Output from this optimization model was used by the Pacific Northwest  
22 Utilities Conference Committee (PNUCC) for winter reliability studies. I contributed to  
23 the Northwest Power Pool Coordinating Group's Reliability Team by co-developing a  
24 stochastic reliability evaluation model of the regional hydro-thermal power system to  
25 perform loss-of-load probability calculations. Additionally, I developed a planning  
26 model for calculating variable energy content curves for operations planning.

1           From December 1997 to April 2007, I worked in the Power Services Risk  
2 Management group performing near-term risk analysis. (This group later moved from  
3 Power Services to under the Chief Risk Officer.) I developed a rolling 12-month, Monte  
4 Carlo revenue-at-risk model for evaluating physical and financial trading decisions,  
5 analyzing risk mitigation strategies, and calculating the probability of meeting given  
6 revenue and risk targets. I became the lead quantitative risk analyst directing a group of  
7 quantitative analysts in the continual development and evolution of analytic tools and  
8 reports. During this time, I analyzed the financial impacts of integrating wind generation  
9 and of providing shaping and storage for wind generation.

10           In April 2007, I began work in Generation Support. My primary function is to  
11 analyze the impacts of control area wind generation on BPA's ability to schedule and  
12 operate the FCRPS. Most of my work is focused on quantifying the impact that  
13 providing balancing reserve capacity has on plant operations and efficiency. The need to  
14 produce relatively quick analysis quantifying the impacts of carrying and deploying  
15 balancing reserve capacity across multiple water conditions resulted in the creation of the  
16 Generation and Reserves Dispatch (GARD) model. The first version of the model was  
17 used to support the Variable Cost Pricing for Generation Inputs in the WP-10 rate case.  
18 Subsequent to the WP-10 rate case, model refinements have been made to support ever  
19 more detailed studies of project and unit behavior during the course of reserve  
20 deployment. The latest version of the GARD model has been used to assist in system  
21 operations planning with regard to the carrying of balancing reserve capacity.  
22 Specifically, the model's results informed guidance to the Duty Schedulers as well as  
23 providing project operators with insight into unit behavior given reserve deployment  
24 scenarios. In March of 2010, I received the Administrator's Excellence Award for  
25 Innovation as a result of my work on the GARD model.

1 Q. *Please describe your experience with the hydro operations of the FCRPS.*

2 A. My experience with hydro operations has revolved around modeling both FCRPS and  
3 Pacific Northwest hydrogenation. I have used and developed tools to model hydro  
4 operations from a macro, system-wide perspective as well as having used tools to  
5 evaluate micro-level, project-specific unit operations. I co-developed a linear  
6 programming model of the regional hydroelectric generating system's 35 primary  
7 projects for sustained peak generation analysis. I have performed winter reliability  
8 planning studies using the aforementioned linear programming model, the HOSS model,  
9 and a stochastic reliability evaluation model. For operations planning purposes, I  
10 developed a model for calculating variable energy content curves to better facilitate the  
11 coordination of operations between BPA, the Corp of Engineers, and the Bureau of  
12 Reclamation. I have developed models to assess the unit level operations on the FCRPS  
13 to aid in operations planning, provide guidance to the Hydro Duty Schedulers, analyze  
14 the impact of proposed turbine runner designs, and aid in unit maintenance planning  
15 decisions.

16 Q. *Please describe your interactions with the Corps of Engineers and Bureau of*  
17 *Reclamation.*

18 A. I communicate with the Corp of Engineers and Bureau of Reclamation when sharing the  
19 results of project-specific analysis, particularly when assessing unit commitment and  
20 dispatch outcomes resulting from an operations planning study, evaluating turbine  
21 runner design impacts, and analyzing the impacts of unit maintenance decisions to the  
22 provision of automatic generation control responsive reserves.

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

24 A. I was a witness in the WP-02 rate proceeding, where I was on the Risk Analysis Study  
25 panel, substituting for Jeffrey Chow during cross-examination. My focus was market

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price volatility. I was also involved in analysis for the WI-09 Wind Integration rate proceeding, the WP-10 rate proceeding, and the BP-12 rate proceeding.

1 QUALIFICATION STATEMENT OF

2 RAYMOND D. BLIVEN

3 Witness for the Bonneville Power Administration

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

5 A. My name is Raymond D. Bliven. I am employed by the Bonneville Power  
6 Administration (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am BPA's Power Rates Manager. I am responsible for managing all aspects of BPA's  
9 power rates, and I am responsible for overseeing all facets of this rate case.

10 *Q. Please state your educational background.*

11 A. I received a Bachelor of Arts degree in Economics from Washington State University in  
12 1975. In addition, I have taken course work at Portland State University and received a  
13 Certificate of Middle East Studies in 1978. I also have completed graduate courses in  
14 econometrics at Portland State University.

15 *Q. Please summarize your professional experience.*

16 A. From September 1980 through June 1994, I was employed by BPA on the rates staff. I  
17 was initially an Economist in the Transmission Rates section. In that position, I  
18 prepared economic studies and analyses in support of BPA's transmission rate filings  
19 and designed and wrote the computer programs supporting BPA's 1982 and 1983  
20 transmission rate design studies. I worked on the Coincidence Study and the computer  
21 programs necessary to prepare the Coincidence Study in BPA's 1982, 1983, 1985, 1987,  
22 1991, and 1993 wholesale power rate filings.

23 In November 1983, I moved to the Wholesale Rates section, and later the Cost  
24 Analysis section, as a Public Utilities Specialist. In 1984, I significantly modified the  
25 Rate Analysis Model (RAM) for BPA's 1985 wholesale power rate filing to allow  
26 modeling the large number of changes to the rate development process that took effect in

1 1985, as outlined in section 7 of the Northwest Power Act. I was responsible for overall  
2 coordination of the RAM in BPA's 1987 wholesale power rate filing and completed a  
3 major revision of the Nonfirm Revenue Analysis Program (NFRAP) to incorporate  
4 flexible nonfirm pricing.

5 In 1988, I became an Industry Economist in the Revenue Forecasting section. My  
6 duties included forecasting fossil fuel prices, maintaining the NFRAP, and coordinating  
7 BPA's revenue forecasts and risk analyses. During this time, my duties also included  
8 modeling the market in California for BPA's surplus power. Between September 1990  
9 and May 1991 and again from January 1992 through June 1994, I was Chief of the Rate  
10 Analysis section, supervising the RAM, BPA's Revenue Forecast, and the Risk Analysis.  
11 In addition, I was Chief of the Power Rates branch on an acting basis during the last two  
12 months of the 1993 rate case, overseeing the preparation of the draft and final records of  
13 decision, as well as all of BPA's final rate proposal studies.

14 From June 1994 through January 2006, I was a consultant with Regulatory &  
15 Cogeneration Services, Inc., of Vancouver, Washington. The majority of my work  
16 during that time was to consult with and represent industrial power users on issues  
17 relating to BPA's wholesale power rates and products as well as terms, conditions, and  
18 rates for transmission and ancillary services. I provided the industries assistance relating  
19 to open access transmission services and pricing. I participated in many aspects of the  
20 development of Independent System Operators in California and the Pacific Northwest.

21 During that time, I worked extensively in the field of market price and resource  
22 development forecasting. I provided assistance to clients regarding market conditions for  
23 resource development, long-range market price forecasts for use in investment planning,  
24 and plant valuation studies for use in acquisition decisionmaking.

25 In January 2006, I assumed my current position as BPA's Power Rates Manager.  
26 In this position I oversee BPA's power rates staff and the preparation and conduct of all

1 aspects of BPA's rates, rate cases, and rate implementation. In 2010, I was one of three  
2 technical advisors assisting the mediator assisting in the settlement of litigation over  
3 BPA's implementation of the Residential Exchange Program. My more-recent duties  
4 also include the implementation of BPA's Tiered Rate Methodology, a rate structure  
5 expected to be in place for almost 20 years beginning in FY 2012.

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

7 A. In BPA's 1985 wholesale power rate filing I filed written testimony and sponsored the  
8 Rate Analysis Model. In BPA's 1987 wholesale power rate filing, I filed written  
9 testimony and sponsored the NFRAP. Although I did not file written testimony, I was  
10 responsible for BPA's 1989 Revenue Forecast Study, used in BPA's 1989 wholesale  
11 power rate filing to extend BPA's 1987 wholesale power rates. I was BPA's witness  
12 sponsoring the revenue forecasts used in BPA's 1991 Variable Industrial Power rate  
13 filing. I filed written testimony as a part of three panels in BPA's 1991 rate filing: Cost  
14 of Service Analysis/Rate Design Adjustments, Revenue Forecast, and Risk Analysis. In  
15 BPA's 1993 rate case, I filed written testimony as a member of 11 panels, including Risk  
16 Analysis and Protection, Revenue Forecast, COSA, and Rate Design Issues.

17 In BPA's 1995 rate case, I filed written testimony on behalf of the Direct Service  
18 Industries regarding power and transmission rate design, unbundled products and  
19 ancillary services, and open access transmission tariffs. In BPA's 1996 and 2002 rate  
20 cases, I testified on behalf of the Direct Service Industries in all aspects of those cases,  
21 concentrating on revenue requirements, rates and rate design, market and gas price  
22 forecasting, average system costs, and the implementation of BPA's statutory rate  
23 directives, including the section 7(b)(2) rate test.

24 After returning to BPA in 2006, I participated in the WP-07 Supplemental,  
25 WP-10, and BP-12 rate proceedings as a policy witness testifying on BPA's rate design,

1 rate modeling, average system costs, the Lookback analysis, and the section 7(b)(2) rate  
2 test.

3 I participated in the Tiered Rate Methodology rate proceedings as a policy and  
4 rate design witness for BPA.

5 I have filed written testimony before the Public Utilities Commission of  
6 Maryland. I have assisted with filings by other witnesses on cases in Washington,  
7 Oregon, and California and before the Federal Energy Regulatory Commission.

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1 QUALIFICATION STATEMENT OF

2 DAVID W. BOGDON

3 Witness for the Bonneville Power Administration

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

5 A. My name is David W. Bogdon. I am employed by the Bonneville Power Administration  
6 (BPA), Transmission Services, 7500 NE 41st Street, Suite 130, Vancouver, Washington.

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

8 A. I am a Revenue Analyst in the Transmission Policy and Strategy section of the  
9 Transmission Marketing and Sales group in Transmission Services.

10 *Q. Please state your educational background.*

11 A. I graduated from Portland State University in 1987 with a Bachelor of Science degree in  
12 Business Administration with emphasis in Accounting. I am a licensed Certified Public  
13 Accountant in Oregon.

14 *Q. Please summarize your professional experience.*

15 A. I have worked for BPA since September 2001. From September 2001 until April 2008, I  
16 worked as an Auditor in Bonneville's Internal Audit department, where I conducted a  
17 variety of internal audits relating to BPA operations. In April 2008, I transferred to the  
18 Transmission Policy and Strategy group to prepare the Segmentation Study for the TR-10  
19 rate case.

20 For 13 years prior to my employment with BPA, I worked for the U.S.  
21 Government Accountability Office (GAO; formerly called the U.S. General Accounting  
22 Office), the investigative arm of the U.S. Congress, where I conducted audits of various  
23 Federal agencies, including BPA. Most of my work at GAO consisted of financial  
24 analysis relating to natural resource and energy issues, particularly with respect to  
25 Federal hydropower, and involving the Federal Power Marketing Administrations, the  
26 U.S. Army Corps of Engineers, and the U.S. Bureau of Reclamation.

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Page 1

Witness: David W. Bogdon

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

2 A. I served as a Generation Inputs witness for the WP-10 and BP-12 rate proceedings on the  
3 segmentation of COE and Reclamation Transmission Facilities panel.  
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1 QUALIFICATION STATEMENT OF

2 GLEN S. BOOTH

3 Witness for the Bonneville Power Administration

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

5 A. My name is Glen S. Booth. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am a Public Utilities Specialist for the Load Forecasting and Analysis Department in  
9 Customer Support Services.

10 *Q. Please state your educational background.*

11 A. I received a Bachelor of Science degree in Agricultural Economics from Washington  
12 State University in 1992 and a Master of Arts degree in Agricultural Economics from  
13 Washington State University in 1994.

14 *Q. Please summarize your professional experience.*

15 A. In July of 1999, I began work at Salt River Project (Project) in the Corporate Pricing  
16 Department. I performed annual corporate retail revenue forecasts for budgeting and  
17 planning purposes, enhanced the Corporate Revenue Model System, and developed class-  
18 level billing determinants for utilization in the Project rate cases. In November 2001, I  
19 transferred to the Engineering and Construction Services Department, where I developed  
20 cost metrics and reports for monitoring and forecasting capital expenditures.

21 In February 2003, I began work at Tucson Electric Power (TEP) in the Economic  
22 Forecasting and Research Department. I developed hourly, daily, and monthly sales and  
23 peak forecasts for the TEP system and the individual customer classes. The forecasts  
24 expanded from one to twenty years forward. These forecasts were used in integrated  
25 resource plans, rate case proceedings, and for budget and planning purposes.

1 In May 2005, I began work at PacifiCorp in the Commercial and Trading  
2 Division. I worked in the Load and Revenue Forecasting Department developing load  
3 and revenue forecasts at the hourly, daily, and monthly levels. The forecasts expanded  
4 from one day ahead to twenty years forward. These forecasts were used in integrated  
5 resource plans, rate case proceedings, commercial trading activities, and for budget and  
6 planning purposes.

7 In April 2007, I began work at the Bonneville Power Administration in the Load  
8 Forecasting and Analysis Department of Customer Support Services. I develop  
9 customer-level load and peak forecasts utilizing the Agency Load Forecasting system.  
10 These forecasts expand one year to twenty years forward at the monthly level. The  
11 forecasts are used for budget, planning, and Regional Dialogue purposes.

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

13 *A.* I served as a witness in the BPA WP-07 Supplemental Wholesale Power Rate Case and  
14 the BP-12 Rate Case. For the 2005 PacifiCorp Integrated Resource Plan process, I  
15 participated in the presentation and defense of customer load forecasts before  
16 Commission staff from Washington, Idaho, Oregon, Utah, and Wyoming.

1 QUALIFICATION STATEMENT OF

2 ANNICK E. CHALIER

3 Witness for the Bonneville Power Administration

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

5 A. My name is Annick E. Chalier. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am a Policy Development Specialist in Power Rates.

9 *Q. Please state your educational background.*

10 A. I received a Bachelor of Arts degree in Economics from Reed College in 2000.

11 *Q. Please summarize your professional experience.*

12 A. Between December 2002 and May 2006, I worked at the Public Power Council as a staff  
13 economist. While at the Public Power Council, I worked on BPA issues, including the  
14 post-2006 Conservation and Renewable Program, the post-2006 Regional Dialogue, the  
15 long-term (post-2011) Regional Dialogue, the 2005 PBL Power Function Review, the  
16 2004 TBL Programs in Review, and the implementation of the Load-Based, Financial-  
17 Based, and Safety Net Cost Recovery Adjustment Clauses (CRACs). I also served as a  
18 witness in the WP-07 rate proceeding on behalf of the Public Power Council.

19 In June of 2006, I was hired into BPA's Power Rates group as a Power Policy  
20 Development Specialist. Since my hire at BPA, I have assisted with the development of  
21 BPA's Final Regional Dialogue Policy and Record of Decision and served as the  
22 technical lead in the development of the power products BPA offered in its Regional  
23 Dialogue contracts. In particular, I have been directly involved in the development of  
24 Tier 2 rates and Resource Support Services under BPA's Tiered Rate Methodology.

1 *Q. Please state your experience as a witness in previous proceedings.*  
2 A. I have served as a witness in three previous proceedings. While employed by PPC, I was  
3 a witness for a joint customer panel in the BPA WP-07 Supplemental rate proceeding on  
4 the subject of BPA's Cost Recovery Adjustment Clause proposal and its application of  
5 the Non-Operating Risk Model. I served as a witness for BPA in the 2008 Tiered Rate  
6 Methodology rate proceeding on the Rate Design panel. My areas of expertise were the  
7 Tier 2 Rate Design, Shared Rate Plan, and Resource Support Services. Most recently I  
8 served as a witness for BPA in the BP-12 rate proceeding on Tier 2 rates and Resource  
9 Support Services rates.

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1 QUALIFICATION STATEMENT OF

2 DANNY L. CHEN

3 Witness for the Bonneville Power Administration

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

5 A. My name is Danny L. Chen. I am employed by the Bonneville Power Administration  
6 (BPA), 7500 NE 41st Street, Suite 130, Vancouver, Washington.

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

8 A. I am a Public Utilities Specialist in the Transmission Policy and Strategy section of the  
9 Transmission Marketing and Sales group in Transmission Services.

10 *Q. Please state your educational background.*

11 A. I received a Bachelor of Science degree in Materials Science & Engineering from the  
12 University of California and a Post-Baccalaureate Certificate in Accounting from  
13 Portland State University.

14 *Q. Please summarize your professional experience.*

15 A. In May 2005, I began working for BPA as a student co-op for Transmission Finance,  
16 where I assisted senior staff in developing the OMB budget and analyzing the capital  
17 budget. In January 2006, I converted to full-time status as a Transmission Financial  
18 Analyst working on financial analysis and business case proposals for the capital  
19 program. In October 2006, I transferred to Asset Workload and Planning and continued  
20 to provide analytical support for the capital program. Since October 2007, I have worked  
21 as a Public Utilities Specialist (Revenue Analyst) in the Transmission Policy and Strategy  
22 organization of Transmission Marketing and Sales. My activities include revenue  
23 forecasting, revenue risk analysis, and commercial business analysis for Transmission.  
24 As of September 2010, I serve as the process lead for Transmission Revenue Forecasting.

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

2 A. I have previously served as witness for Transmission Services on the topics of Ancillary  
3 & Control Area Services and Transmission Revenues and Risk Assessment in the TR-10  
4 and BP-12 rate proceedings. I served as a witness for Power Services on the topics of  
5 Operating Reserve, Station Service, and Imbalance Energy in the WP-10 and BP-12 rate  
6 proceedings.

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1 QUALIFICATION STATEMENT OF  
2 THOMAS D. COATNEY

3 Witness for the Bonneville Power Administration

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

5 A. My name is Thomas D. Coatney. I am employed by the Bonneville Power  
6 Administration (BPA), 7500 NE 41st Street, Vancouver, Washington.

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

8 A. I am a Senior Market Analyst in the Transmission Services Commercial Business  
9 Assessment group.

10 *Q. Please state your educational background.*

11 A. I received a Master of Science degree from the University of Iowa, Department of  
12 Statistics and Actuarial Science, in June 1988. Prior to that, I spent one year in the  
13 graduate statistics program at Brigham Young University and received a Bachelor of  
14 Science degree in Mathematics from Brigham Young University in 1985.

15 *Q. Please summarize your professional experience.*

16 A. I began work at BPA as a Senior Market Analyst in June 2009, examining the market  
17 impacts of wind being integrated into the grid and developing market fundamental  
18 indications.

19 From 2002 through May 2009, I worked in PacifiCorp's merchant energy  
20 function. Specifically, I worked in the commercial transaction structuring and pricing  
21 function, moving from Lead/Senior Analyst to Manager. I performed commercial  
22 evaluations of energy market transactions, developed volatility models, evaluated new  
23 thermal and wind generation proposals, and trained new staff in these activities. Output  
24 of our valuations led to the development and commissioning of two combined-cycle  
25 natural gas generating facilities and the building of hundreds of megawatts of new wind  
26 generation facilities in a six-state service territory. I also oversaw the quantitative

1 analysis of a large, multi-year hydroelectric risk hedging instrument that covered  
2 effectively all of the hydroelectric resources dispatched by PacifiCorp.

3 From April 2000 to June 2002, I worked at Aquila Merchant Energy in Kansas  
4 City, Missouri, in their Structured Products group. I developed their first hydroelectric  
5 hedge programs from concept to evaluation and executive approval. I worked with  
6 Aquila origination staff to market the products in North America and Europe.

7 Prior to joining Aquila, I worked from 1991 to 2000 as an actuary in the property  
8 casualty reinsurance industry, analyzing the pricing of complex reinsurance contracts  
9 ranging from medical malpractice and professional liability to homeowner's and  
10 automobile liability and property coverage. A principal activity inherent in this work is  
11 the quantification and allocation of risk, the modeling of contingent event coverage, and  
12 the establishment of sufficient financial reserves to satisfy financial liquidity  
13 requirements. From 1988 to 1991, I worked for an international actuarial consulting firm.

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

15 *A. I served as a witness in the BP-12 rate case, providing testimony on analyses I performed*  
16 *on thermal generation and solar generation balancing for the Generation Inputs portions*  
17 *of the rate case.*

1 QUALIFICATION STATEMENT OF

2 SIDNEY L. CONGER, JR.

3 Witness for the Bonneville Power Administration

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

5 A. My name is Sidney L. Conger, Jr. I am employed by the Bonneville Power  
6 Administration (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am a Risk Analyst in the Power Policy Analysis group of Power Services.

9 *Q. Please state your educational background.*

10 A. I received a Bachelor of Science degree in Agribusiness from Louisiana State University  
11 in 1980 and a Master of Science degree in Agricultural Economics from Louisiana State  
12 University in 1984. In addition, I completed 28 semester hours toward a PhD in  
13 Agricultural Economics at Washington State University.

14 *Q. Please summarize your professional experience.*

15 A. Between the years 1984 and 1986, and again briefly in 1988, I worked as a researcher at  
16 two academic institutions (Louisiana State University and Washington State University).  
17 My responsibilities included collecting data, developing computer applications to  
18 perform economic and statistical analyses, and writing publications documenting analysis  
19 results.

20 I have been employed at BPA since 1988 and have held the positions of Industry  
21 Economist and Risk Analyst. My primary responsibilities since 1988 have been to  
22 develop methodologies for assessing and mitigating BPA's financial risk due to revenue  
23 and expense variations outside of BPA's control.

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

25 A. In the BP-12 rate case, I was responsible for the development of BPA's Risk Analysis  
26 models and was a witness on the Power Risk and Market Price panel. In BPA's WP-10

1 rate case, I was responsible for the development of BPA's Risk Analysis models and was  
2 a witness on the Risk Analysis and Mitigation panel. In BPA's 1991, 1993, 1996, 2002  
3 (all cases), and 2007 (including Supplemental), Power rate cases, I was responsible for  
4 the development of BPA's Risk Analysis models and was a witness on the Risk Analysis  
5 panel. I sponsored testimony in BPA's 2002, 2007, and 2007 Supplemental Power rate  
6 cases in support of the Risk Mitigation Study. Additionally, I sponsored testimony in  
7 BPA's 2007 Supplemental Power rate case in support of the Market Price Forecast. I  
8 sponsored testimony in BPA's 1996 and 2002 Power rate cases in support of the Revenue  
9 Forecast. I sponsored testimony in BPA's 1996 Power rate case in support of the  
10 Marginal Cost Analysis. I also worked on the Revenue Forecast and Risk Analysis Study  
11 supporting BPA's 1989 Power rate case and BPA's 1991 Variable Industrial Power rate  
12 case.

1 QUALIFICATION STATEMENT OF

2 KIERAN P. CONNOLLY

3 Witness for the Bonneville Power Administration

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

5 A. My name is Kieran P. Connolly. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am the Manager of the Generation Scheduling Group in Generation Asset Management  
9 in Power Services.

10 *Q. Please state your educational background.*

11 A. I received a Bachelor of Science degree in Business Economics from Willamette  
12 University in 1989 and a Master's degree in Business Administration from the University  
13 of Portland in 1994.

14 *Q. Please summarize your professional experience.*

15 A. I have been employed by the BPA since 1991. Through September of 1994, I worked as  
16 a Supply Systems Analyst in the Materials Management Branch of the Division of  
17 Materials and Procurement. From October 1994 through October 1997, I was a Financial  
18 Analyst in the Financial Forecasting Group, responsible for or assisting in the Residential  
19 Exchange Program forecasts for BPA rate cases, corporate financial forecasting, and other  
20 economic analyses. From November 1997 to December 2002, I was a Public Utilities  
21 Specialist in the Transmission and Reserves Services group of the Power Business Line  
22 (now Power Services) Trading Floor; in that function I designed and marketed reserve  
23 service products. From December 2002 to April 2003, I was a Public Utilities Specialist  
24 in Industry Restructuring, addressing power issues related to proposals to form a regional  
25 transmission organization in the Pacific Northwest. From April 2003 through March  
26 2007, I was the manager of Regional Coordination in the Power and Operations Planning

1 group of Generation Asset Management. Regional Coordination's functions included  
2 long-term modeling of the Federal Columbia River Power System (FCRPS), development  
3 and administration of long-term planning studies for the Columbia River Treaty with  
4 Canada, FCRPS impact analysis of proposed operations under Biological Opinions, and  
5 development of long-term load/resource balance information for rate proposal and  
6 inventory use. Since April 2007, I have been the Manager of Generation Scheduling.  
7 Generation Scheduling's functions include real-time Hydro Duty Scheduling of the  
8 FCRPS, short-term system planning, and policy issues that affect real-time power system  
9 operations.

10 *Q. What does the Generation Scheduling section of Power Services do?*

11 A. Generation Scheduling is an umbrella organization that encompasses three different  
12 groups – Short Term Planning, which analyses and plans the operation of the FCRPS  
13 projects for the next day through the next several weeks; Duty Scheduling, which  
14 analyzes and plans the operation of the FCRPS in real time on a 24 x 7 basis; and  
15 Generation Scheduling Support, which provides technical and policy analysis on  
16 emergent issues affecting the efficient and reliable operation of the FCRPS, provides  
17 analytical and situational awareness support for operational staff, and provides rate case  
18 analysis and studies.

19 *Q. Please describe your duties as manager of the Generation Scheduling section of Power  
20 Services.*

21 A. As the Manager of Generation Scheduling I am responsible for providing the policy,  
22 planning, and operations organizations with direction on priorities; coordinating with  
23 internal counterparts in Transmission Services, the BPA Trading Floor, and mid-term  
24 Planning on operational and planning issues that affect our respective organizations;  
25 ensuring that Generation Scheduling staff meet and document compliance with  
26 Mandatory Reliability Standards assigned or delegated to the organization; and working

1 with the US Army Corps of Engineers and the Bureau of Reclamation on policy and  
2 procedures related to the implementation of FCRPS operations.

3 *Q. Please describe your experience with the hydro operations of the FCRPS.*

4 A. As the Manager of Generation Scheduling, I offer guidance to subordinate managers and  
5 staff in planning, risk management, and process development. I also review the operation  
6 of the FCRPS for systematic requirements such as additional data, analytical tools, and  
7 informational displays.

8 A number of my previous roles also involved the operation of the FCRPS. As  
9 Manager of Regional Coordination, I was responsible for the long-term planning of the  
10 FCRPS operation, including studies associated with the Columbia River Treaty between  
11 the United States and Canada. In Industry Restructuring, my primary focus involved  
12 integrating FCRPS operations into proposed market structures. While in the Reserve  
13 Services group I designed new products for BPA, where one of the critical functions was  
14 to minimize risk to FCRPS operations by ensuring that the products were compatible with  
15 those operations.

16 *Q. In your current position, how often are you involved in directly planning the operations  
17 of the FCRPS?*

18 A. In my management role my direct involvement in planning the operation of the FCRPS is  
19 focused on periods when there are challenging or unusual operations to address.  
20 Otherwise, the direct planning of system operations is handled by the respective  
21 organization in Generation Scheduling that deals with that timeframe.

22 *Q. Does your current position require you to regularly communicate with the Corps of  
23 Engineers and Bureau of Reclamation on hydro system operations and planning?*

24 A. I communicate with various managers and staff at the US Army Corps of Engineers and  
25 the Bureau of Reclamation when necessary to ensure that there is consistent interpretation  
26 of FCRPS operational and planning goals and objectives across the respective Federal

1 Agencies. These communications occur on an as-needed basis as issues develop.  
2 Regular coordination with the US Army Corps of Engineers and the Bureau of  
3 Reclamation on short-term planning and operations is handled by the managers and staff  
4 under my supervision.

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

6 A. I co-sponsored testimony in the 1996 rate proceeding on the calculation of Average  
7 System Costs for the Residential Exchange program. I also assisted with preparation of  
8 the WI-09 Wind Integration rate case and was on a wind integration panel in the WP-10  
9 rate proceeding.

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1 QUALIFICATION STATEMENT OF

2 ARACELI C. CONTRERAS

3 Witness for the Bonneville Power Administration

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

5 A. My name is Araceli C. Contreras. I am employed by the Bonneville Power  
6 Administration, (BPA), Transmission Services, 7500 NE 41<sup>st</sup> Street, Suite 130,  
7 Vancouver, WA 98662.

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

9 A. I am a Program Analyst in the Transmission Policy and Strategy section of the  
10 Transmission Marketing and Sales group in BPA's Transmission Services.

11 *Q. Please state your educational background.*

12 A. I received a Bachelor of Arts in Psychology from the University of Washington in 1982  
13 and a Master's in Public Administration from the University of Washington in 1987.

14 *Q. Please summarize your professional experience.*

15 A. I have worked for BPA since July 2002. From July 2002 to October 2006, I worked as a  
16 Program Analyst for Transmission Finance. My focus was Transmission revenue  
17 analysis and helping to produce the financial package for the Management Committee  
18 meetings. In October 2006, I transferred to Transmission Policy and Strategy, a section  
19 within Transmission Marketing and Sales. My responsibilities include producing  
20 forecasts for Network Integration, Utility and DSI Delivery, and Regulation and  
21 Frequency Response. These forecasts have been used for the rate cases and other  
22 products such as Transmission Start-of-Year and Quarterly forecasts. In addition, I have  
23 worked on various revenue accounting issues.

24 Prior to working at BPA I worked for 13 years for the U.S. Government  
25 Accountability Office (GAO – formerly called the U.S. General Accounting Office), the  
26 investigative arm of the U.S. Congress, where I conducted audits of various Federal

1 agencies. Most of my work at GAO consisted of performance audits relating to natural  
2 resource, energy, and computer system issues.

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

4 *A. I have not served as a witness in previous proceedings.*

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1 QUALIFICATION STATEMENT OF

2 REED C. DAVIS

3 Witness for the Bonneville Power Administration

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

5 A. My name is Reed C. Davis. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am a Supervisory Public Utilities Specialist in the Customer Services Load Forecasting  
9 and Analysis group in Power Services.

10 *Q. Please state your educational background.*

11 A. I received a Bachelor of Science degree in Finance from Brigham Young University in  
12 1979.

13 *Q. Please summarize your professional experience.*

14 A. In May of 1979, I began work in the rates department at Utah Power & Light as a rate  
15 statistician analyzing and forecasting electricity requirements for the utility, which had its  
16 service territory in Utah, Idaho, and Wyoming. I continued receiving additional  
17 responsibilities until I was made manager of the forecasting group.

18 In January of 1989, I was hired into Pacific Power's Market Assessment Services  
19 group as the manager of the forecasting activity for the combined Pacific Power and Utah  
20 Power & Light companies following their merger. I retained the forecasting  
21 responsibilities while at Pacific Power as they transitioned through additional mergers  
22 until 2007. I was responsible for the analysis and forecasting activities for retail  
23 customers in Utah, Idaho, Wyoming, Oregon, Washington, California, and Montana. In  
24 October 2007, I was hired into my current position at BPA, where I am responsible for  
25 the agency work in analyzing load and forecasting electricity requirements.

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

2 A. I served as a witness in the Tiered Rate Methodology development proceeding (TRM-12)  
3 and the TRM Supplemental proceeding (TRM-12S), and the WP-10 rate proceeding. I  
4 also was a witness in rate proceedings in numerous jurisdictions in my previous positions,  
5 on forecasting and weather normalization matters.

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1 QUALIFICATION STATEMENT OF

2 DAVID K. DERNOVSEK

3 Witness for the Bonneville Power Administration

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

5 A. My name is David K. Dernovsek. I am employed by the Bonneville Power  
6 Administration (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am a Customer Account Executive (Trader) in the Real-Time Trading group for Power  
9 Services.

10 *Q. Please state your educational background.*

11 A. I received a Bachelor of Arts degree in Economics/Mathematics from Columbia  
12 University in 2004.

13 *Q. Please summarize your professional experience.*

14 A. Between August 2004 and June 2006, I worked at D. E. Shaw, a hedge fund in New  
15 York City. I worked on the distressed portfolio and was involved in bank debt  
16 settlement, Credit Default Swap valuation and settlement, and private equity deals.  
17 Between December 2007 and May 2010, I worked at OIA Global Logistics, a freight  
18 forwarder/supply chain management company in Portland, Oregon, in a financial  
19 analysis and accounting capacity.

20 From May 2010 to May 2012, I worked in BPA's power rates group as an  
21 Operations Research Analyst. Since my hire at BPA, I have acquired and used in-depth  
22 knowledge of the natural gas market to develop long-term gas price forecasts for BPA.  
23 I produced the long-term gas price forecast and the Power revenue forecast for the  
24 BP-12 rate case. Since May 2012 I have worked as a Day Ahead trader on the Trading  
25 Floor.

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

A. I served as a witness in the BP-12 rate case on the Risk Analysis and Market Price panel.

1 QUALIFICATION STATEMENT OF

2 STEPHEN H. ENYEART

3 Witness for the Bonneville Power Administration

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

5 A. My name is Stephen H. Enyeart. I am employed by the Bonneville Power Administration  
6 (BPA), 7500 NE 41st Street, Suite 140, Vancouver, Washington.

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

8 A. I am a Customer Service Engineer for generation interconnection projects in Customer  
9 Service Engineering, part of BPA's Transmission Planning group, in Transmission  
10 Services.

11 *Q. Please state your educational background.*

12 A. I received a Bachelor of Science degree in Electrical Engineering from Portland State  
13 University in 1973. I am a registered Professional Engineer in the state of Oregon.

14 *Q. Please summarize your professional experience.*

15 A. Prior to coming to BPA, I was employed as an electrical engineer specializing in  
16 industrial and utility applications for two professional engineering consulting firms:  
17 Pacific Engineering Corp. from 1989 to 2000 and Charles T. Main (Parsons Corp.) from  
18 1980 to 1988. I initially was employed as an electrical engineer at BPA from 1973 to  
19 1980 after graduation from college. I have been employed at BPA since July 2000 in  
20 Customer Service Engineering. Since 2000, I have been BPA's primary technical contact  
21 for generation requests to interconnect wind projects to BPA's transmission system,  
22 associated studies, and related technical requirements for interconnection. More recently,  
23 I have been involved in Generation Interconnection tariff reform and related tariff  
24 document review and proposed revisions.

1 Q. *Please state your experience as a witness in previous proceedings.*  
2 A. I participated in the development of the WI-09 Wind Integration initial proposal and  
3 related wind integration initiatives over the last 5 years. I appeared as a witness on the  
4 generation reserve forecast panel in the WP-10 and BP-12 rate proceedings.  
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1 QUALIFICATION STATEMENT OF

2 PAUL FIEDLER

3 Witness for the Bonneville Power Administration

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

5 A. My name is Paul Fiedler. I am employed by the Bonneville Power Administration  
6 (BPA), 7500 NE 41st Street, Suite 130, Vancouver, Washington.

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

8 A. I am a Supervisory Electrical Engineer in Transmission Services, Customer Service  
9 Engineering.

10 *Q. Please state your educational background.*

11 A. I received a Bachelor of Science degree in Electrical Engineering (BSEE) from Seattle  
12 University in 1985.

13 *Q. Please summarize your professional experience.*

14 A. While employed by a consulting firm and contractor, I designed and commissioned  
15 small hydroelectric and thermal generation projects from 1986 to 1989. After achieving  
16 the status of a Registered Professional Engineer, I practiced as a consulting engineer  
17 from 1989 through 1991. From 1992 to 1997, I engineered and managed campus energy  
18 projects for the State of Washington. From late 1997 through 2002, I was employed as a  
19 plant electrical engineer for a large thermal generation project. During this time, I also  
20 assisted in the construction and commissioning of a combined cycle thermal generation  
21 project.

22 After joining BPA in late 2002, I served as the Customer Service Engineer  
23 assigned to coordinate transmission plans of service with utility customers located on the  
24 Olympic Peninsula and Washington coast. From 2008 to 2012, I served as the  
25 Interconnection Team Process Lead, responsible for generation and line/load  
26 interconnections to the Federal Columbia River Transmission System, including

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responsibility for direct assignment determinations. In mid-2012, I was selected as Supervisory Electrical Engineer working with about a dozen customer service engineers stationed on the west side of the Cascade Mountains.

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

A. I have not served as a witness in previous proceedings.

1 QUALIFICATION STATEMENT OF

2 DANIEL H. FISHER

3 Witness for the Bonneville Power Administration

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

5 A. My name is Daniel H. Fisher. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am an Industry Economist in Power Rates.

9 *Q. Please state your educational background.*

10 A. I received a Bachelor of Science degree in Economics/Management Science from the  
11 University of California at San Diego in 2002.

12 *Q. Please summarize your professional experience.*

13 A. In March of 2004, I began work at Economic Insight, Inc., as a staff economist for  
14 Samuel Van Vactor. I worked as an analyst for the energy consulting side of the business  
15 and as a reporter for the Energy Market Report.

16 In September of 2005, I was hired into BPA's power rates group as an industry  
17 economist. I assisted with the WP-07 wholesale power rate proposal, with primary focus  
18 on risk policy and the flexible PF program.

19 I was a co-analyst for the WP-10 rate design, with primary focus on Priority Firm  
20 Preference and Industrial Power rate design. In addition, I was also co-analyst for the  
21 embedded cost pricing methodology portion of the Generation Inputs Study.

22 I was the lead analyst on Tier 1 rate design for the post-FY 2011 contract period  
23 as adopted through the Tiered Rate Methodology. I was also the lead analyst in pricing  
24 the Resource Support Services that BPA offers in the post-FY 2011 contract period.  
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1 *Q. Please state your experience as a witness in previous proceedings.*  
2 A. Most recently, I was a witness on Tier 1 and Tier 2 rate design, Resource Support  
3 Services, select areas of the Slice-True-up, Unauthorized Increase Charge, and  
4 Unanticipated Load Service in the BP-12 rate case. I was also a witness on rate design  
5 for the Tiered Rate Methodology proceeding, for the Rate Design and Generation Inputs  
6 Study in the WP-10 rate proceeding, and for the Rate Design Study in the WP-07  
7 Supplemental rate proceeding.

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1 QUALIFICATION STATEMENT OF

2 KIMBERLY A. FODREA

3 Witness for the Bonneville Power Administration

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

5 A. My name is Kimberly A. Fodrea. I am employed by the Bonneville Power  
6 Administration (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am a Hydraulic Engineer in the Long Term Power Planning section of BPA's Power  
9 and Operations Planning group in Power Services.

10 *Q. Please state your educational background.*

11 A. I hold a Bachelor of Science degree in Civil Engineering from Portland State University  
12 (1992).

13 *Q. Please summarize your professional experience.*

14 A. I have worked for the Federal government continuously since 1992 in numerous roles  
15 related to the Federal Columbia River Power System. From 1992 through 1999, I worked  
16 for the U.S. Army Corps of Engineers Portland District, primarily focusing on the  
17 hydraulic design and operation of spillways on the lower Snake and Columbia River  
18 dams. From 1999 through 2000, I worked for the U.S. Department of Interior, U.S.  
19 Bureau of Reclamation (BOR), primarily focusing on the evaluation of operational issues  
20 associated with BOR's hydro projects and coordination with other Federal agencies,  
21 tribes, and the regional fish agencies. Part of my responsibilities included hydro  
22 modeling. From 2000 through the present, I have worked for BPA. From 2000 through  
23 2006, I worked in the Fish and Wildlife Policy and Planning group, where my primary  
24 duties involved coordination, review, and analyses of fish passage operations. My main  
25 focus was on providing policy analysis and advice related to the implications of various  
26 operations on fish. In 2006, I began working in BPA's Power and Operations Planning

1 group. My main responsibilities are to provide estimates of likely hydropower energy  
2 generation in future years for rate cases and long-term planning and to provide estimates  
3 of power generation and revenue implications for potential future operations under  
4 consideration.

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

6 *A. I participated in the WP-10 and BP-12 rate proceedings as a witness on the Loads and  
7 Resources panel.*

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1 QUALIFICATION STATEMENT OF

2 REBECCA E. FREDRICKSON

3 Witness for the Bonneville Power Administration

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

5 A. My name is Rebecca E. Fredrickson. I am employed by the Bonneville Power  
6 Administration (BPA), Transmission Services, 7500 NE 41st Street, Suite 130,  
7 Vancouver, Washington.

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

9 A. I am the Transmission Revenues and Rates Manager in the Transmission Policy and  
10 Strategy section of the Transmission Marketing and Sales group in BPA's Transmission  
11 Services.

12 *Q. Please state your educational background.*

13 A. I received a Bachelor of Arts degree in Business Administration with an emphasis in  
14 Accounting from Washington State University in 1989. I received a Master's degree in  
15 Business and Administration from Marylhurst University in 2000.

16 *Q. Please summarize your professional experience.*

17 A. In June 2001, I began working for BPA as a rotational student for Corporate Finance in  
18 Transmission Finance. I supported the development and management of Transmission  
19 Services' approximately \$280 million annual capital budget.

20 In July 2002, I was converted to full-time status as a Transmission Financial  
21 Analyst. As a Financial Analyst I was involved in the development of the capital  
22 standards for Transmission Services and BPA as a whole. I also developed financial  
23 models for analyzing fiber leases and models for analyzing options for infrastructure  
24 financing.

25 In June 2004, I became a Senior Financial Analyst, performing financial analysis  
26 evaluating business cases for Transmission Services' \$300 million capital program.

1 I also developed financial models that incorporated risk analysis functionality, such as the  
2 @Risk software program and the Australian New Zealand risk model. I was the lead of  
3 the Programs in Review (PIR) processes in 2004 and 2006. In this capacity, I was  
4 responsible for developing Transmission Services' program costs to be evaluated in the  
5 PIR process, developing presentation materials, and facilitating workshops. I was also  
6 responsible for the closeout letter that communicated BPA's determinations on program  
7 levels. The PIR covered all of Transmission Services' expense and capital costs, which  
8 were roughly \$750 million and \$300 million per year, respectively.

9 As a Senior Financial Analyst, I was also responsible for the development of the  
10 process for tracking and calculating credits for Large Generator Interconnection  
11 Agreement (LGIA) customers' advance funding of network upgrades.

12 In December 2007, I transferred to the Transmission Policy and Strategy group as  
13 a Transmission Revenues, Rates, and Analysis Lead. In this position, I led the  
14 development of Transmission Services' revenue forecasts for rate cases and start-of-year  
15 revenue forecasts. In addition, I coordinated and led the financial analysis for Network  
16 Open Season. I was also responsible for coordinating and co-leading the development of  
17 Transmission Services' rates analysis.

18 Currently, I am the manager of Transmission Revenues and Rates. In this  
19 position I manage all aspects of Transmission Services' revenue and rates analysis. I  
20 oversee the development of the rate studies, documentation, and testimony supporting the  
21 initial and final rate proposals that lead to the Administrator's Record of Decision. I also  
22 coordinate Transmission Services' revenue and rates discussions internal to BPA and  
23 externally with stakeholders.

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

25 *A. I was a witness in the TR-10 rate proceeding for the Transmission Revenues and LGIA*  
26 *credits. In the BP-12 rate proceeding I sponsored testimony and was the witness for the*

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Montana Intertie. In addition, I participated in the revenue requirements studies. During the BP-12 rate proceeding I also participated in writing testimony for the Transmission Settlement.

1 QUALIFICATION STATEMENT OF

2 LARRY A. FURUMASU

3 Witness for the Bonneville Power Administration

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

5 A. My name is Larry Furumasu. I am employed by the Bonneville Power Administration  
6 (BPA), 7500 NE 41st Street, Suite 130, Vancouver, Washington.

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

8 A. I am an Electrical Engineer in Transmission Planning.

9 *Q. Please state your educational background.*

10 A. I received a Bachelor of Science degree in Electrical Engineering (BSEE) from  
11 Washington State University in January 1979.

12 *Q. Please summarize your professional experience.*

13 A. I began my employment with BPA in February 1979. I worked in the System  
14 Engineering branch from 1979 to 1996. My primary responsibilities included  
15 performing system screening and planning studies for reliability compliance and  
16 technical studies and project coordination for transmission system expansion and  
17 upgrade projects. I also developed plans-of-service for line and load as well as small  
18 generation interconnection requests.

19 In 1996, I moved to the Customer Service Engineering group and worked there  
20 until 2006. My primary responsibilities in this group included supervising system  
21 screening and area planning studies for reliability compliance, supervising technical  
22 studies and development of plans-of-service for line and load as well as small generation  
23 interconnection requests, and supervising technical studies and project coordination for  
24 transmission system expansion and upgrade projects.

25 I moved to my current assignment in the Transmission Planning group in 2006.  
26 My current and ongoing responsibilities include system screening and area planning

1 studies for reliability compliance, supervising technical studies for line and load as well  
2 as small generation interconnection requests, and supervising technical studies and  
3 project coordination for transmission system expansion and upgrade projects. I am  
4 responsible for documentation and certification of compliance for NERC standard  
5 PRC-010, and I am a team member working on commercial marketing issues associated  
6 with planning and resource forecasting for NT customers, coordinating assessment of  
7 non-wires alternatives to transmission projects, and long-range coordinated area  
8 planning with the Energy Efficiency office. I currently am leading implementation of  
9 the Attachment K planning process, and I am a team member working on compliance  
10 issues associated with local, regional and inter-regional planning as described in FERC  
11 Order 1000.

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

13 *A. I have not served as a witness in previous proceedings.*

1 QUALIFICATION STATEMENT OF

2 CHRISTOPHER J. GILBERT

3 Witness for the Bonneville Power Administration

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

5 A. My name is Christopher J. Gilbert. I am employed by the Bonneville Power  
6 Administration (BPA), 7500 NE 41<sup>st</sup> Street, Vancouver, Washington.

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

8 A. I am an Ancillary Services Policy Analyst in the Transmission Marketing Commercial  
9 Business Policy and Strategy group of Transmission Services..

10 *Q. Please state your educational background.*

11 A. I possess a Bachelor of Business Administration in Accounting for the University of  
12 Portland.

13 *Q. Please summarize your professional experience.*

14 A. I have 15 years' experience auditing carrier charges in the Telecommunications industry.  
15 I have been in my current position as an Ancillary Services Policy Analyst for the last  
16 one and a half years. I develop business policy for implementation of Ancillary and  
17 Control Area Services through rates and business practices. My subject matter includes  
18 the applicability of Generation Imbalance Service charges, and Variable Energy  
19 Resource Balancing Service rates and policies related to the integration of generation  
20 into the BPA Balancing Authority Area.

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

22 A. I have not served as a witness in previous proceedings.

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1 QUALIFICATION STATEMENT OF

2 DAVID L. GILMAN

3 Witness for the Bonneville Power Administration

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

5 A. My name is David L. Gilman. I am a contractor for Bonneville Power Administration  
6 (BPA), Transmission Services, 7500 NE 41st Street, Suite 130, Vancouver, Washington.

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

8 A. I am an electrical engineer under contract to BPA in the Transmission Policy and  
9 Strategy section of the Transmission Marketing and Sales group in Transmission  
10 Services. I work primarily on Ancillary and Control Area Services rates and their  
11 implementation, and segmentation.

12 *Q. Please state your educational background.*

13 A. I graduated from Oregon State University in 1969 with a Bachelor of Science degree in  
14 Electrical Engineering. I am a registered Professional Engineer in Oregon.

15 *Q. Please summarize your professional experience.*

16 A. I worked for BPA as a Federal employee beginning in June 1968. I participated in  
17 several details in various areas of Engineering. From 1970 to 1973, I was assigned to the  
18 System Planning Section of System Engineering where I worked on various studies to  
19 determine adequacy of the BPA transmission system.

20 From 1974 to September 1994, I worked as an electrical engineer on the  
21 Advanced Planning Staff, Division of System Planning, Office of Engineering. I became  
22 a Senior Transmission Planning Engineer providing expert guidance for transmission  
23 planning and related economic analysis. My duties were to study long-range  
24 transmission requirements, including intertie and resource integration feasibility studies,  
25 and to study and develop BPA's transmission rates, contracts, and policy. Specific

1 assignments included segmentation development, wheeling loss assessment, and  
2 participation in the negotiation of wheeling contracts.

3 In September 1994, I was assigned to Strategic Planning and, in 1996, I was  
4 reassigned to the Business Strategy and Assessment group, where I performed the same  
5 function. My primary assignments were in the areas of transmission rates and contracts.  
6 Beginning in August 2000, I was assigned to the position of Ancillary Services Manager,  
7 where I was responsible for the development and application of business practices for  
8 Ancillary and Control Area Services. The name of the group has since been changed to  
9 Transmission Policy and Strategy. I retired from this position in January 2008. I am  
10 currently employed under contract to work on similar issues.

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

12 *A. I was a witness in the following BPA rate proceedings covering the topics identified:*

- 13 • Segmentation of the Northern Intertie in the 1983 rate case
- 14 • Third AC Intertie Non-Federal Participation proceeding in 1992
- 15 • Transmission segmentation in the 1996 rate case
- 16 • Segmentation for Federal projects in the 2002 Power rate case
- 17 • Segmentation Study in the 2002 Transmission rate case
- 18 • Generation Imbalance Service rate in the 2002 Transmission Generation Imbalance  
19 Service rate proceeding
- 20 • Ancillary and Control Area Services rates in the 2004 rate case
- 21 • Segmentation of Federal projects in the 2007 Power rate case
- 22 • Wind integration within-hour balancing service rate in the 2009 Wind Integration  
23 rate case
- 24 • Operating Reserve Cost Allocation, Generation Inputs for Other Services, and  
25 Generation Inputs for other Inter-business Line Allocations in the WP-10 rate  
26 proceeding

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- Ancillary Services and Control Area Services rates in the TR-10 rate proceeding
- For the BP-12 rate proceeding I was not a witness but worked on various ancillary service and transmission issues associated with the case

1 QUALIFICATION STATEMENT OF

2 GREGORY C. GUSTAFSON

3 Witness for the Bonneville Power Administration

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

5 A. My name is Gregory C. Gustafson. I am employed by the Bonneville Power  
6 Administration (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am a Public Utilities Specialist in Power Rates.

9 *Q. Please state your educational background.*

10 A. I received a Bachelor of Science degree in Animal Science from Washington State  
11 University (WSU) in 1966, and a Master of Arts degree in Agricultural Economics from  
12 WSU in 1968. I graduated from the University of California at Berkeley in 1973 with a  
13 PhD in Natural Resource Economics.

14 *Q. Please summarize your professional experience.*

15 A. I have worked at BPA since 1988. During 1988, I worked as a Financial Analyst in the  
16 Exchange Branch of BPA's Office of Financial Management. My responsibilities were  
17 in research, analysis, and forecasting of revenues and Average System Costs (ASCs) in  
18 the operation of BPA's Residential Exchange Program.

19 From 1989 to 1991, I was a Public Utilities Specialist in the Resource Planning  
20 Branch of BPA's Office of Energy Resources. During this period, I was a team leader  
21 responsible for coordinating the development of BPA's 1990 Resource Program.

22 From 1991 to 1994, I was a Public Utilities Specialist in the Commercial Programs  
23 Branch of the Office of Energy Resources. I had lead responsibility for analyzing the  
24 economics of electric energy use and cost control in commercial buildings and the  
25 cost-effectiveness of BPA's commercial conservation programs.

1           From 1994 to 1996, I worked as a Public Utilities Specialist in Pricing, Marginal  
2 Cost, and Ratemaking in the Product Development group in Marketing. My  
3 responsibilities included development and analysis of product costs and pricing.

4           Since 1997, I have worked as a Public Utilities Specialist in Power Products,  
5 Pricing and Rates, and currently in Power Policy and Rates. My primary responsibilities  
6 have been in Priority Firm Power rate design, BPA's industrial margin study, rate impact  
7 analysis, and energy price information.

8           Prior to my employment at BPA, I was employed as a Senior Analyst with Evaluation  
9 Research Corporation in Portland, Oregon, from 1985 to 1987. I was responsible for  
10 conducting process evaluations (analysis of program delivery, incentive structure, cost  
11 control, marketing, and administrative procedures) of energy conservation programs in the  
12 Northwest. From 1973 to 1984, I was employed as an Economist by the Economic Research  
13 Service of the U.S. Department of Agriculture in Washington, D.C., and Corvallis, Oregon.  
14 During this period I was a Project Leader and Analyst of state and local rural land use  
15 policies and related land economics issues.

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

17 *A. In 1996, I was a witness on a panel to establish BPA's industrial power spot gas rate. In*  
18 *2000, I was a witness in the BPA rate proceeding to adjust the 1996 Unauthorized Increase*  
19 *Charge. In BPA's 2002 rate proceeding, I was a witness on the Low Density Discount panel.*  
20 *In BPA's 2007 rate proceeding, I was a witness on the Low Density Discount panel and the*  
21 *DSI panel. In BPA's 2010 rate proceeding, I was a witness on the Rate Design panel. In*  
22 *BPA's 2012 rate proceeding, I was a witness on the DSI panel.*

1 QUALIFICATION STATEMENT OF

2 MARCUS A. HARRIS

3 Witness for the Bonneville Power Administration

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

5 A. My name is Marcus A. Harris. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am a Financial Analyst in the Cash and Treasury Management group within BPA  
9 Finance.

10 *Q. Please state your educational background.*

11 A. I received a Bachelor of Arts degree in Business Administration from Vanguard  
12 University in May 2004. I earned a Master's degree in Business Administration from  
13 Willamette University in 2010. I am currently a PhD student in Systems Science at  
14 Portland State University, with a research focus in natural resource systems, policy, and  
15 economics.

16 *Q. Please summarize your professional experience.*

17 A. In May 2009, I began working for BPA Finance as a student trainee financial analyst  
18 supporting long-term cash forecasting and accrual to cash adjustment research, used in  
19 the ToolKit model. In December 2011, I became principally responsible for BPA's  
20 long-term cash forecasting, cash and reserve policies, and accrual to cash adjustment  
21 research.

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

23 A. I was a witness on the Risk Mitigation panel in the BP-12 rate case, supporting accrual  
24 to cash adjustments to the ToolKit model.

1 QUALIFICATION STATEMENT OF

2 RONALD J. HOMENICK

3 Witness for the Bonneville Power Administration

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

5 A. My name is Ronald J. Homenick. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am a financial analyst in the Analysis and Requirements group of Corporate Finance.

9 *Q. Please state your educational background.*

10 A. I received a Bachelor of Arts degree in English from Kent State University in 1973.

11 *Q. Please summarize your professional experience.*

12 A. From 1982 to 1985, I was employed as a Computer Programmer/Analyst for Electronic  
13 Data Systems under contract with BPA. In that capacity, I worked with the group that is  
14 now part of Financial Analysis and Requirements, designing and implementing numerous  
15 BPA revenue requirement/cost of service computer applications and performing financial  
16 analyses related to BPA's 1983 and 1985 rate cases.

17 In 1984, I researched historical costs and performed financial analyses that  
18 formed the basis of BPA's compliance report to the Federal Energy Regulatory  
19 Commission on separate accounting for power and transmission functions.

20 In 1985, I became a BPA employee and worked for the group that is now  
21 Analysis and Requirements. I have been employed as a financial analyst since 1986. In  
22 this capacity, I have been responsible for financial analyses related to revenue  
23 requirement development, such as preparation of the projected Federal Columbia River  
24 Power System investment base, depreciation forecasts, and functionalization and  
25 segmentation of the transmission revenue requirements. With functional separation of

1 BPA in 1997, this has entailed separate power and transmission revenue requirement  
2 development and the unique financial issues related to the separate business units.

3 I have been the primary analyst in Corporate Finance responsible for the annual  
4 preparation of the separate accounting analysis. I am also BPA's lead analyst in the area  
5 of repayment policy.

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

7 *A.* I served as a witness on Revenue Requirement issues in BPA's 1991, 1993, 1995, and  
8 1996 general rate proceedings; BPA's Third AC Intertie Non-Federal Participation rate  
9 proceeding; BPA's 2002, 2007, 2009 Supplemental, and 2010 Power rate proceedings;  
10 the 2002, 2004, 2006, 2008, and 2010 Transmission rate proceedings; and the BP-12 rate  
11 proceeding.

1 QUALIFICATION STATEMENT OF

2 MARK A. JACKSON

3 Witness for the Bonneville Power Administration

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

5 A. My name is Mark A. Jackson. I am employed by the Bonneville Power Administration  
6 (BPA), 7500 NE 41st Street, Suite 130, Vancouver, Washington.

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

8 A. I am the Ancillary Services Manager and a Senior Engineer in the Transmission  
9 Marketing Commercial Business Policy and Strategy group of Transmission Services.

10 *Q. Please state your educational background.*

11 A. I have a Bachelor of Science degree in Petroleum Engineering and a degree in  
12 Engineering Science from Montana Tech of the University of Montana, with additional  
13 course work in Energy Policy from Portland State University.

14 *Q. Please summarize your professional experience.*

15 A. I have five years' experience with the Energy Department of the State of Montana as an  
16 Energy Policy Analyst, and 23 years' experience as an engineer with BPA in various  
17 positions related to energy efficiency, renewable generation, distributed generation, and  
18 transmission policy, rates, and tariff implementation. I have been in my current position  
19 as Senior Engineer with the Transmission Marketing Policy and Strategy group since  
20 2001. I develop business policy for implementation of Ancillary and Control Area  
21 Services through rates and business practices.

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

23 A. I served as a subject matter expert witness for Ancillary Services related to Regulation  
24 and Frequency Response Service and wind-related balancing issues in the TR-08  
25 Transmission rate proceeding. I also served as a subject matter expert for rate design in  
26 the WI-09 Wind Integration initial proposal. I served as a subject matter expert for

1 several elements of the WP-10 rate proceeding, including Ancillary and Control Area  
2 Services. I served as a subject matter expert for Ancillary and Control Area Services for  
3 the BP-12 rate proceeding.  
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1 QUALIFICATION STATEMENT OF

2 DANA M. JENSEN

3 Witness for the Bonneville Power Administration

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

5 A. My name is Dana M. Jensen. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am a Financial Analyst in the Debt and Investment Management group in Corporate  
9 Finance.

10 *Q. Please state your educational background.*

11 A. I received an Associate's degree in Humanities and General Studies from Lane  
12 Community College in Eugene, Oregon, in 1987; a Bachelor of Science degree in  
13 Finance and Management from the University of Oregon in 1989; and a Master's degree  
14 in Business Administration from Portland State University in 1995. My field of  
15 concentration was public finance.

16 *Q. Please summarize your professional experience.*

17 A. I am currently employed as a Financial Analyst at BPA. I provide economic and  
18 financial analytical support for rate cases, regulatory proceedings, access to capital, and  
19 debt management planning. I serve as a senior technical analyst in developing cost,  
20 revenue, and financial forecasts and related analyses with the financial and operating  
21 condition of BPA and its business lines, customers, and competitors. I participate in  
22 preparing, analyzing, and implementing BPA's financial business strategy; measure  
23 financial performance against strategic goals; analyze industry and marketplace  
24 developments, including potential State and Federal legislation that may affect BPA's  
25 future financial integrity; and develop and maintain financial data, forecast systems, and  
26 analytical tools.

1 In my previous position with BPA, I developed a credit review function to assess  
2 creditworthiness and determine credit limits for new customers (wholesale). I developed  
3 the procedures and a procedure manual, programmed rating criteria into our model, and  
4 developed a model to pull records from a database program into Excel for manipulation  
5 and calculation and then to compile a user report. I performed credit analyses and review  
6 of potential hazardous waste contractors. I conducted ad hoc analyses, including  
7 financial profiles, ratio analyses, net present value project analyses, revenue and profit  
8 forecasts, cost-effectiveness, and buy versus lease. I developed current and pro forma  
9 business line financial statements and developed and used financial models (using Excel)  
10 to identify and assess the financial effects of alternative capital spending and expense  
11 levels and financing alternatives. I served as an in-house management consultant,  
12 performing studies on efficiency, cost analysis, and feasibility. I also assisted staff end-  
13 users in computer troubleshooting and loading software.

14 Prior to my employment with BPA, I worked for two years as a residential  
15 mortgage loan processor and substitute loan officer at a savings bank. I conducted  
16 extensive credit and financial analyses of the borrowers and builders, reviewing private  
17 and corporate (mainly sub S) financial statements and other records. I compiled  
18 summary reports based on my analyses for the underwriters and loan committee.

19 From September 1994 to October 1996, I was a Reserve Police Officer for the  
20 City of Hillsboro.

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

22 *A. I was on the Revenue Requirements panel in the 2002, 2007, 2009 Supplemental, 2010,*  
23 *and 2012 Power rate cases, and on the same panel in the 2004, 2006, 2008, 2010, and*  
24 *2012 Transmission rate cases.*

1 QUALIFICATION STATEMENT OF

2 JANICE A. JOHNSON

3 Witness for the Bonneville Power Administration

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

5 A. My name is Janice A. Johnson. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am an accountant in the General Accounting group under Finance.

9 *Q. Please state your educational background.*

10 A. I earned a Bachelor of Science degree in Accounting from West Chester State University  
11 in 1991. In addition, I earned a Master's degree in Business Administration from  
12 The University of Phoenix in 2005. I became licensed as a Certified Public Accountant  
13 (CPA) in the state of Virginia in 2005.

14 *Q. Please summarize your professional experience.*

15 A. From January 2000 to July 2003, I was employed with PacifiCorp as a revenue  
16 accountant in the forecasting group. My primary responsibility was booking the unbilled  
17 revenue accrual. In addition, I was responsible for monitoring the revenue system and  
18 handling the reporting to departments. During the period July 2003 to July 2007, I held  
19 various positions with Philip Morris USA, where I audited wholesalers in the field;  
20 subsequently, I worked in the compliance department in support of information  
21 technology contracts. In July 2007, I began working as an accountant for BPA. In  
22 September 2007, I became involved with Slice issues in support of the reporting of actual  
23 costs in the annual Slice True-up calculation.

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

25 A. I was a witness in the WP-07 Supplemental proceeding and the Tiered Rate Methodology  
26 proceeding, where I testified about issues related to the Slice True-Up and related Cost

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Verification Process. I provided support for issues related to the Slice True-Up during the WP-10 and BP-12 rate proceedings.

1 QUALIFICATION STATEMENT OF

2 JANA D. JUSUPOVIC

3 Witness for the Bonneville Power Administration

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

5 A. My name is Jana Jusupovic. I am employed by the Bonneville Power Administration  
6 (BPA), Transmission Services, 7500 NE 41st Street, Suite 130, Vancouver, Washington.

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

8 A. I am the Capital, Interconnection, and Sale of Facilities Lead in the Transmission  
9 Customer Service Engineering group in BPA's Transmission Services.

10 *Q. Please state your educational background.*

11 A. I received a Bachelor of Science degree in Electrical Engineering from the University of  
12 Portland in 2002. I received a Master's degree in Business and Administration from the  
13 University of Portland in 2005.

14 *Q. Please summarize your professional experience.*

15 A. In June of 2000, I began working for BPA as an Electrical Engineering student in the  
16 high voltage labs and then in Customer Service Engineering. In May of 2002, I was  
17 converted to full-time status as a Transmission Customer Service Engineer. Since 2002, I  
18 have worked with various BPA utility customers in this capacity. In 2003, I became the  
19 Sale of Facilities lead for Customer Service Engineering.

20 In May of 2005, I was employed in Transmission Finance. My focus was  
21 preparing capital projects for capital approval inside the new Asset Investment System  
22 software.

23 In December of 2005, I transferred back to Customer Service Engineering. I am  
24 currently the process lead for the Capital, Interconnection, and Sale of Facilities  
25 processes. In this position, I manage all projects that Customer Service Engineering is  
26 involved with, making sure funding and resources are committed appropriately each

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fiscal year. I also am involved with policy changes involving the Large Generator Interconnection Agreement, Small Generation Interconnection Agreement, and Line and Load processes. I oversee the Sale of Facilities process, helping BPA and the customer through the sale and acquisitions process.

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

A. I have not served as a witness in a previous proceeding.

1 QUALIFICATION STATEMENT OF

2 MELIKE B. KAYIM

3 Witness for the Bonneville Power Administration

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

5 A. My name is Melike B.Kayim. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am an Operations Research Analyst in the Generation Policy and Technical Support  
9 Group in Power Services.

10 *Q. Please state your educational background.*

11 A. I received a Master of Science degree in Economics from Portland State University in  
12 1999 and a Master's degree in Environmental Economics from Portland State University  
13 in 2012. My undergraduate degree is a Bachelor of Science in Business Engineering  
14 from Istanbul Technical University in 1992.

15 *Q. Please summarize your professional experience.*

16 A. After graduation in 1999 I worked as a consultant in market analysis for several years and  
17 then worked part-time for Portland Community College as an instructor for about eight  
18 years before coming to BPA in 2011. At BPA I have worked in Generation Policy and  
19 Technical Support and Market Analysis and Pricing groups as a Public Utilities  
20 Specialist/Student Trainee. In Generation Policy and Technical Support I provide  
21 technical analysis and policy support for Power Generation Scheduling.

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

23 A. I was involved in analysis of Persistent Deviation, Generation Dropping, Synchronous  
24 Condensing, and Redispatch for the BP-12 rate case but did not serve as a witness.

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1 QUALIFICATION STATEMENT OF

2 MARGO L. KELLY

3 Witness for the Bonneville Power Administration

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

5 A. My name is Margo L. Kelly. I am employed by CorSource Technology Group, Inc.,  
6 419 SW Eleventh Avenue, Suite 300, Portland, Oregon. CorSource is a contractor to the  
7 Bonneville Power Administration (BPA).

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

9 A. I am currently assigned as a Financial Analyst in Power Services Business Operations.

10 *Q. Please state your educational background.*

11 A. I received a Data Analyst diploma from Western Business College in 1982.

12 *Q. Please summarize your professional experience.*

13 A. I worked as an inventory control clerk for Horizon Air from 1986 to 1989.

14 In 1990, I began working at BPA through various contracting services. In 1998, I  
15 developed an automated system for gathering data from the Internet and other sources  
16 and storing these data in a local Microsoft Access database. In 2000, I began providing  
17 data support for the BPA Risk Analysis Model (RiskMod). In 2004, I began performing  
18 risk analysis studies in support of monthly financial updates and to determine the  
19 economic impact of alternative hydro operations. Under the direction of senior risk  
20 analysts, I performed the RiskMod risk analysis studies in support of the WP-07, WP-07  
21 Supplemental, and WP-10 Final rate cases.

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

23 A. I sponsored testimony and served on two panels in the WP-10 rate case and the BP-12  
24 rate case: Risk Analysis and Mitigation, and Revenue Forecast and Purchased Power  
25 Expenses. My testimony supported the Risk Analysis and Mitigation Study and the  
26 Revenue Forecast & Purchased Power Expenses section of the Power Rates Study.

1 QUALIFICATIONS STATEMENT OF

2 STEVEN KERNS

3 Witness for the Bonneville Power Administration

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

5 A. My name is Steve Kerns. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am the supervisor of Short-Term Planning section in Power Services.

9 *Q. Please state your educational background.*

10 A. I have a Bachelor of Science in Engineering Physics from Miami University and a  
11 Master of Science in Applied Physics from the Johns Hopkins Whiting School of  
12 Engineering.

13 *Q. Please summarize your professional experience.*

14 A. I have been employed at BPA for 20 years, five years as a contractor and fifteen years as  
15 a full time employee. For the first several years at BPA, I was lead developer on the  
16 Hourly Operations and Scheduling Simulator (HOSS) model, a computer program that  
17 generates an hourly simulation of the Federal Columbia River Power System (FCRPS).  
18 I was then assigned to be Team Lead for model development and analysis in the  
19 Operation Planning section of the Power Business Line. In 2006, I became supervisor of  
20 the Short-Term Planning section in the Power Business Line, now Power Services.

21 *Q. What does the Short-Term Planning section of Power Services do?*

22 A. This group plans and analyzes the operation of the FCRPS from the current day through  
23 the next few weeks. The planning portion of this section collaborates with the US Army  
24 Corps of Engineers (USACE) and the Bureau of Reclamation (BOR) to coordinate  
25 short-term operational objectives/constraints of the FCRPS and plan outages for unit  
26 maintenance at the hydro projects. The results of these coordination activities are

1 translated to operational guidance for use in real-time operations. The analytic portion  
2 of this section uses a computer program to model the operation of the FCRPS from the  
3 current day through the next few weeks. The results of these studies help define the  
4 amount of energy sales/purchases that are necessary to meet the operational objectives.

5 *Q. Please describe your duties as supervisor of the Short-Term Planning section of Power*  
6 *Services.*

7 *A.* As supervisor of this section, I provide strategic direction to the planning and  
8 coordination portions of this section with a focus on maintaining operational flexibility  
9 on the FCRPS and understanding decisions made in the short-term planning time  
10 horizon affect the longer term. In addition, I provide support for policy decisions by  
11 providing analysis and knowledge from experience. Areas where I provide support for  
12 policy decisions are generally in the area that are related to the operational flexibility of  
13 the FCRPS, such as policies related to wind integration and fish operations

14 *Q. Please describe your experience with the hydro operations of the FCRPS.*

15 *A.* For the early part of my career, when I was developing the HOSS model, I developed a  
16 basic knowledge of FCRPS hydro operations by comparing model results with actual  
17 operations and by collaborating with real-time duty schedulers. When the energy  
18 market became deregulated, we began to use the HOSS model to supplement other  
19 modeling tools to develop forecasts of energy inventory, which were used by BPA's  
20 Trading Floor to develop marketing strategies.

21 In the middle part of my career, I served as Team Lead in the Operations  
22 Planning group, which performs analysis of FCRPS operational objectives from the next  
23 month through the remainder of the current fiscal year. During this time, I was very  
24 involved in providing analysis for policy decisions that were made during the drought  
25 and energy crisis of 2000-2001. A significant advancement made during this time was  
26 the development of stochastic inventory studies, which consider uncertainties in

1 streamflows, loads, and resource performance. I also collaborated with the Northwest  
2 Power and Conservation Council on the development of the GENESYS model, which is  
3 used to perform regional resource adequacy studies.

4 Since June 2006, I have been supervisor of the Short-Term Planning section.  
5 During this period, BPA has seen a significant growth in the amount of wind generation  
6 developed in the BPA balancing authority. Throughout this time, we have seen the  
7 development of new systems and procedures put in place to assist with providing  
8 balancing reserves necessary for integrating variable resources. The biggest challenge  
9 during this time, from the perspective of Short-Term Planning, is finding an appropriate  
10 balance of supplying balancing reserves while meeting the operational objectives of the  
11 FCRPS. Periods of high flows, especially, have been times when the amount of  
12 balancing reserves supplied by the FCRPS needed to be reduced. My role as supervisor  
13 in Short-Term Planning was to ensure that policy decisionmakers had the necessary  
14 information about operational flexibility and to ensure that real-time duty scheduling  
15 have clear instructions on how to implement policy decisions

16 *Q. In your current position, how often are you involved in directly planning the operations*  
17 *of the FCRPS?*

18 *A. Daily.*

19 *Q. Does your current position require you to regularly communicate with the Corps of*  
20 *Engineers and Bureau of Reclamation on hydro system operations and planning?*

21 *A. Yes, communications with the USACE and the BOR occur routinely every day.*

22 *Q. When the FCRPS is experiencing conditions that limit its planned output, what role does*  
23 *Short-Term Planning play in ensuring system reliability?*

24 *A. System reliability is ultimately the responsibility of the transmission operator. However,*  
25 *Short-Term Planning provides real-time duty scheduling with actions to take on the*  
26 *FCRPS in the event of a system emergency.*

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

2 A. I was a member of the Loads and Resources panel in the SN-03 case and a member of the  
3 Risk Analysis panel in the WP-07 rate case.

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1 QUALIFICATION STATEMENT OF

2 ERIC V. KING

3 Witness for the Bonneville Power Administration

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

5 A. My name is Eric V. King. I am employed by the Bonneville Power Administration (BPA),  
6 Corporate Services, 905 NE 11th Avenue, Portland, Oregon.

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

8 A I am the Project Manager for the Wind Integration Team.

9 *Q. Please state your educational background.*

10 A. I received a Bachelor of Science degree in Electrical Engineering from the University of  
11 Idaho in 1988.

12 *Q. Please summarize your professional experience.*

13 A. I have been employed by BPA since 1988. From 1988 through February 2002, I worked as  
14 an Electrical Engineer in Power Operations. During that time I was involved in and/or  
15 responsible for the hydro system's 30-day to 4-year planning and operations team. I also  
16 served as BPA's representative to the Pacific Northwest Coordination Agreement (PNCA)  
17 Contract Committee. As BPA's representative, I was a lead negotiator for the PNCA  
18 renewal, which resulted in the 1997 PNCA.

19 From February 2002 through May 2003, I worked as an Electrical Engineer in  
20 Regional Coordination. During that time, I continued to serve as BPA's representative to  
21 the PNCA Contract Committee. Additionally, I led the team that developed BPA's  
22 Emergency Load Dropping Plan and the team that developed the Guide to Tools and  
23 Principles for a Dry Year Strategy.

24 From May 2003 through June 2008, I was a Public Utilities Specialist in Industry  
25 Restructuring. In this position, I addressed market design issues related to proposals to form  
26 a regional transmission organization in the Pacific Northwest. Since its inception in June of

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2008, I have been the Wind Integration Project Manager for BPA’s internal wind integration team.

I have been a member of the Board of Directors for the Northwest Power Pool for 11 years.

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

A. I served as a subject matter expert for the Direct Assignment element of the Balancing Reserve Capacity Cost Allocation in the BP-12 rate proceeding.

1 QUALIFICATION STATEMENT OF  
2 LAWRENCE E. KITCHEN

3 Witness for the Bonneville Power Administration

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

5 A. My name is Lawrence E. Kitchen. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am the Manager of Long Term Sales and Purchases in the Bulk Marketing organization in  
9 Power Services.

10 *Q. Please state your educational background.*

11 A. I received a Bachelor of Arts degree in Economics from Stanford University in 1974 and a  
12 Juris Doctorate from Willamette University in 1978.

13 *Q. Please summarize your professional experience.*

14 A. I initially was employed at BPA in 1979 in the Division of Customer Service as a Public  
15 Utilities Specialist. During the five years I worked in Customer Service, I prepared  
16 transmission, transfer, exchange, service and exchange, surplus power, conservation,  
17 exchange transmission credit agreement, direct service industrial (DSI) power sales, and  
18 utility power sales contracts. I assisted rates staff in the development of models for  
19 analyzing the impacts of proposed surplus power sales, the development of surplus power  
20 and capacity rates, and the development of the availability charge for utility power sales  
21 contracts. I also assisted in the development of an interpretive rule for determining billing  
22 credits for resource development under the Northwest Power Act.

23 From 1985 to 1987, I worked in the Office of General Counsel. I worked as a liaison  
24 with the Department of Justice Field Office, representing the Government in Washington  
25 Public Power Supply System litigation, and the Supply System's General Counsel's office.  
26 I advised BPA on the impacts of the Tax Reform Act of 1986 on financing for the Supply

1 System, BPA, and Northwest public utilities. I analyzed legal issues regarding the potential  
2 termination of Supply System Projects 1 and 3, and the impacts of Supply System litigation.  
3 I assisted in the BPA study on requirements for refinancing Supply System bonds. I also  
4 negotiated and drafted portions of the settlement of litigation regarding the construction  
5 delay of WNP-3.

6 From 1987 to 1993, I managed the Power Contracts Branch in the Division of  
7 Contracts and Rates. I directed staff responsible for designing, negotiating, drafting, and  
8 administering utility power sales agreements, DSI power sales agreements, long-term  
9 surplus power and capacity sales and exchanges, residential purchase and sales agreements  
10 (RPSA), billing credit agreements, and resource acquisition agreements.

11 From 1992 to 1996, I directed teams responsible for negotiation of new power sales  
12 contracts with BPA's utility and DSI customers and new RPSAs. I also chaired the  
13 committee responsible for developing power, transmission, and energy service products  
14 under the BPA Marketing Plan.

15 During 1996, I was the Segment Manager for BPA's DSI customers. The DSI  
16 segment team focused on implementation issues under the new DSI contracts during this  
17 period.

18 From 1996 until 2007, I was a Senior Account Executive in the Bulk Power  
19 organization. I was responsible for the BPA power business customer relations with  
20 Canadian utilities, marketers, Idaho Power Company, and Northwestern Energy. I have also  
21 managed accounts with customers in the California, Montana, and Idaho markets. I chaired  
22 BPA's internal team for investor-owned utility issues, including implementation of the  
23 Subscription Settlement Agreement, the Financial Settlement Agreement with PacifiCorp,  
24 the Amended Settlement Agreement with Puget Sound Energy, the Agreement Regarding  
25 Fiscal Year 2003 Deferral Amount, and the Agreement Regarding Payment of Residential  
26 Exchange Program Settlement Benefits During Fiscal Years 2007 through 2011.

1 I am currently responsible for managing the Long Term Sales and Purchases  
2 organization in Bulk Marketing. I direct staff responsible for managing the Power Services  
3 business relationship with extraregional customers, marketers, independent power  
4 producers, and direct-service industrial customers; establishing enabling agreements for  
5 trading floor transactions; drafting and negotiating long-term surplus sales, long-term power  
6 purchases, and resource acquisition agreements; developing BPA's renewable resource  
7 policy and marketing environmental attributes created by resource output marketed by BPA;  
8 developing transmission strategies and making associated transmission purchases associated  
9 with the purchase of transmission needed to sell BPA's surplus power or acquire power and  
10 resources; and developing the price for generation input components supplied by Power  
11 Services to BPA's transmission organization for ancillary services.

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

13 *A. I was a witness in BPA's 1996, 2000, 2009, 2010, and 2012 rate proceedings. In the WP-96*  
14 *proceeding, I participated on a panel that sponsored testimony regarding BPA's business*  
15 *relationship with its customers specified in the 1996 power sales contracts and products. In*  
16 *the WP-02 proceeding, I testified regarding augmentation. In the WI-09 Wind Integration*  
17 *rate case and the WP-10 and BP-12 rate proceedings, I participated on the policy panel for*  
18 *Generation Inputs.*

1 QUALIFICATION STATEMENT OF

2 JANET ROSS KLIPPSTEIN

3 Witness for the Bonneville Power Administration

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

5 A. My name is Janet Ross Klippstein. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am a Public Utilities Specialist in the Long Term Sales and Purchases group within Bulk  
9 Power Marketing in Power Services.

10 *Q. Please state your educational background.*

11 A. I received a Bachelor of Science degree in Geography from Oregon State University in  
12 1975 and a Master of Business Administration degree from Portland State University in  
13 1998.

14 *Q. Please summarize your professional experience.*

15 A. In February 1990, I began work at BPA as the Marketing Manager for the Regional  
16 Commercial-Sector Energy Efficiency Program.

17 In July 1997, I began working in the Power Business Line (now Power Services)  
18 Bulk Hub Account Services section. I forecasted and tracked revenue and energy amounts  
19 for the long-term contracts to entities out of the region and to the region's investor-owned  
20 utilities and BPA's direct-service industrial customers.

21 Currently, I am a Public Utilities Specialist. My forecasting duties have expanded to  
22 include renewable power purchases and generation inputs for ancillary and reserve services.  
23 My other responsibilities are coordinating resolution of implementation issues with long-  
24 term contracts, managing the renewables budget, and maintaining data systems on long-term  
25 contract sales energy amounts and revenue. I served as the study manager for the 2009 Wind

1 Integration rate case and the study manager for the generation inputs portion of the WP-10  
2 and BP-12 rate cases.

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

4 A. I was a witness in the WP-02 Wholesale Power rate case proceeding on the Loads and  
5 Resources panel and co-sponsored testimony for the Revenue Forecast. I was a witness  
6 for the 2003 Safety Net Cost Recovery Adjustment Clause proceeding. I was a witness in  
7 the WP-07 Supplemental rate proceeding on the Revenue Forecast and Purchased Power  
8 Expenses panel and the Generation Inputs for Ancillary Services panel. I was a witness  
9 in the WP-10 Wholesale Power rate case proceeding on the Revenue Forecast and  
10 Purchased Power Expenses panel and the Generation Inputs for Ancillary Services panel.  
11 For the BP-12 rate case, I was a witness on the Revenue Forecast and Purchased Power  
12 Expense, Balancing Reserve Capacity Cost Allocation, and Operating Reserve Cost  
13 Allocation panels.

1 QUALIFICATION STATEMENT OF

2 PAUL T. KOSKI

3 Witness for the Bonneville Power Administration

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

5 A. My name is Paul T. Koski. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am an operations research analyst in the Operations Planning section of BPA's Power  
9 and Operations Planning group in Power Services.

10 *Q. Please state your educational background.*

11 A. I hold a Bachelor of Science degree in Physics from Truman State University (1997).

12 *Q. Please summarize your professional experience.*

13 A. I have worked for the Federal government since 1999. From 1999 through 2005 I  
14 worked for the U.S. Navy, primarily performing near-shore estuary and river modeling.  
15 The focus was mainly modeling water current and depth in these areas to support various  
16 Naval operations. From 2005-2007 I worked for the U.S. Army Corps of Engineers,  
17 Northwestern Division, where I specialized in the real-time implementation of daily and  
18 seasonal reservoir operations. From 2005 through the present I have worked for BPA in  
19 the Operations and Planning group as an operational research analyst. I am the inventory  
20 process team lead responsible for overseeing the development and delivery of short- to  
21 long-range generation inventory projections.

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

23 A. I was a witness on the Balancing Reserve Capacity Cost Allocation Methodology in the  
24 BP-12 rate proceeding regarding the Hourly Operation and Scheduling Simulator (HOSS)  
25 model.

1 QUALIFICATION STATEMENT OF

2 BEN KUJALA

3 Witness for the Bonneville Power Administration

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

5 A. My name is Ben Kujala. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am an Operations Research Analyst in Power Services Business Operations.

9 *Q. Please state your educational background.*

10 A. I have a Bachelor of Science degree in Mathematics, Science, and Arts & Letters from  
11 Portland State University (2007) and a Master of Science degree in Statistics from  
12 Portland State University (2009).

13 *Q. Please summarize your professional experience.*

14 A. I began working for BPA as an intern in the Corporate Strategy department in  
15 June 2008. My focus was researching wind power as related to resource adequacy. I  
16 transferred to a position in the Power Policy Analysis group (now called Power Services  
17 Business Operations) in August 2009. Since then, my focus has been on risk analysis  
18 and market price forecasting, and I have worked extensively with the AURORAxmp®  
19 software.

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

21 A. I served as a witness in the BP-12 rate case, where I sponsored testimony related to the  
22 market forecasts.

1 QUALIFICATION STATEMENT OF

2 ALEXANDER LENNOX

3 Witness for the Bonneville Power Administration

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

5 A. My name is Alexander Lennox. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am a Financial Analyst in the Analysis and Requirements group in Corporate Finance.

9 *Q. Please state your educational background.*

10 A. I received a Bachelor of Science degree in Political Science and History from the  
11 University of South Dakota in 1985, and a Master of Arts degree in Political Science  
12 from the same institution in 1988. In 2000, I earned a Certificate in Public Management  
13 from the Atkinson School of Management, Willamette University.

14 *Q. Please summarize your professional experience.*

15 A. I have been employed by BPA as a Financial Analyst since March 2004. I am  
16 responsible for conducting research and analysis on a variety of financial issues related to  
17 revenue requirements and risk mitigation. I drafted portions of and coordinated  
18 development of the Revenue Requirement Study, documentation, and testimony for the  
19 2006, 2008, 2010, and 2012 Transmission rate cases and the 2007, 2009 Supplemental,  
20 2010, and 2012 Wholesale Power rate cases.

21 Before coming to BPA, I spent 16 years in the U.S. Army and state and local  
22 government. Most recently, I worked at the Oregon Liquor Control Commission (OLCC)  
23 from 1995 to 2004. I was a Research Analyst in the Financial Services Division, where I  
24 focused on revenue forecasting, trend analysis, legislative and policy analysis, and project  
25 management. While at the OLCC, I also served in a temporary capacity as the Director  
26 of Retail Store Operations and as the Administrative Services Manager.

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

A. I was a witness in the 2007, 2009 Supplemental, 2010, and 2012 Power rate cases and in the 2010 and 2012 Transmission rate case on revenue requirement issues.

1 QUALIFICATION STATEMENT OF

2 MICHAEL R. LINN

3 Witness for the Bonneville Power Administration

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

5 A. My name is Michael R. Linn. I am employed by the Bonneville Power Administration  
6 (BPA), Transmission Services, 7500 NE 41st Street, Suite 130, Vancouver, Washington.

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

8 A. I am a Public Utilities Specialist (Revenue Analyst) in the Transmission Policy and  
9 Strategy section of the Transmission Marketing and Sales group in Transmission  
10 Services.

11 *Q. Please state your educational background.*

12 A. I graduated from Washington State University in May 2010 with a Bachelor of Arts in  
13 Economics. I am currently enrolled in the Master of Science in Economics program at  
14 Portland State University.

15 *Q. Please summarize your professional experience.*

16 A. In November 2011, I was hired as a contractor into the Transmission Policy & Strategy  
17 group, where I supported senior staff in policy development, market research, and data  
18 analysis. I was converted to full-time (term) status as a Public Utilities Specialist  
19 (Revenue Analyst) in May 2012. My duties include forecasting of revenues and  
20 transmission credits associated with Large Generator Interconnection Agreements and  
21 the California-Oregon Intertie upgrade project, support of revenue risk analysis, and  
22 analytical support to senior staff.

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

24 A. I have not served as a witness in previous proceedings.  
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1 QUALIFICATION STATEMENT OF

2 BYRNE LOVELL

3 Witness for the Bonneville Power Administration

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

5 A. My name is Byrne Lovell. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am employed as a Risk Analyst in BPA's Enterprise Risk Management group.

9 *Q. Please state your educational background and professional qualifications.*

10 A. I received a Bachelor of Arts degree in Mathematics from Pomona College in 1974; a  
11 Master of Science degree in Counseling from the University of Oregon in 1980; and a  
12 PhD in Systems Science (concentration: uncertainty) from Portland State University in  
13 1995.

14 *Q. Please summarize your professional experience.*

15 A. In 1984, I began working for BPA through a cooperative student program in the Resource  
16 Planning section of what was to become the Office of Energy Resources. I worked as an  
17 analyst and supervisor to develop and maintain mathematical models and perform  
18 analytical studies (*e.g.*, studies of the demand curve for the Pacific Southwest market for  
19 nonfirm energy) for 10 years. In June 1994, I was appointed to a Financial Analyst  
20 position in the Finance group. In that position I was responsible for several aspects of  
21 financial risk management, including serving as the lead for financial risk management  
22 activities in BPA's general rate proceedings. I became responsible for the ToolKit,  
23 BPA's tool for calculating Treasury Payment Probability (TPP). In May 1997, I moved to  
24 a Policy Strategist job in BPA's Strategic Planning group. Along with the strategic  
25 planning work, my duties included continued support of BPA's risk analysis work,  
26 especially continuing to develop and run the ToolKit. I served as the senior staff analyst

1 for BPA's probabilistic approach to analyzing fish funding and the non-operating risks in  
2 BPA's 1999 Power rate case. I am the author of the current version of the ToolKit and  
3 NORM (the Non-Operating Risk Model). My current duties involve helping implement  
4 and refine BPA's Enterprise Risk Management program in conjunction with the  
5 Enterprise Risk Management Committee, leading and participating in assessments of  
6 Enterprise Risks, and helping strengthen BPA's risk management programs across the  
7 agency. My work continues to include supporting the conceptual framework for BPA's  
8 TPP standard, developing the ToolKit, and running TPP studies.

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

10 A. I appeared as a witness in BPA's 1995 and 1996 general rate proceedings, co-sponsoring  
11 testimony on Revenue Requirement and Risk Analysis and the Revenue Requirement  
12 Study and supporting documentation. I appeared again as a witness in the WP-02 rate  
13 proceeding for both the original proposal and the supplemental proposal. I also appeared  
14 as a witness in the SN-03 (2003 Safety Net Cost Recovery Adjustment Clause) rate  
15 proceeding. I worked on the risk analysis in the TR-06 and TR-08 rate proceedings.  
16 I was a witness in the WP-07, WP-07 Supplemental, 2008 Tiered Rate Methodology,  
17 WP-10, TR-10, and BP-12 rate proceedings, testifying on risk assessment and risk  
18 mitigation issues.

1 QUALIFICATION STATEMENT OF

2 RICHARD Z. (ZACH) MANDELL

3 Witness for the Bonneville Power Administration

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

5 A. My name is Zach Mandell. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am employed as a Risk Analyst in BPA's Enterprise Risk Management group.

9 *Q. Please state your educational background.*

10 A. I received a Bachelor of Science degree in Business Administration from the Lundquist  
11 College of Business at the University of Oregon in 2004.

12 *Q. Please summarize your professional experience.*

13 A. In May 2008, I began working as a contractor for the Transacting and Credit Risk  
14 Management department at BPA. I was responsible for analyzing trade activity,  
15 designing and producing risk reports, and maintaining and developing risk models. For  
16 the WP-10 rate case I assisted in the Risk Analysis and Mitigation Study by maintaining  
17 portions of NORM (the Non-Operating Risk Model) and programming additions to  
18 ToolKit, BPA's tool for calculating Treasury Payment Probability.

19 In May 2010, I began working as a Risk Analyst for the Enterprise Risk  
20 Management department, where I perform various risk analyses and provide internal risk  
21 management consultation. For the BP-12 case, I managed the Power Risk and Market  
22 Price Study as well as maintained and upgraded the ToolKit model.

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

24 A. I was a witness in both the WP-10 and BP-12 Power rate proceedings, co-sponsoring  
25 testimony on the Risk Analysis and Mitigation Study and supporting documentation.

1 QUALIFICATION STATEMENT OF

2 KEVLYN D. MATHEWS

3 Witness for the Bonneville Power Administration

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

5 A. My name is Kevlyn D. Mathews. I am employed by the Bonneville Power  
6 Administration (BPA), 7500 NE 41st Street, Suite 130, Vancouver, Washington.

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

8 A. I am an electrical engineer in the Customer Service Engineering section in Transmission  
9 Services. I work primarily on customer service engineering issues.

10 *Q. Please state your educational background.*

11 A. I graduated from University of Portland in 2010 with a Bachelor of Science degree in  
12 Electrical Engineering.

13 *Q. Please summarize your professional experience.*

14 A. I worked in the student program at BPA from May 2008 to June 2010 in various  
15 capacities. In the summer of 2008 I worked in Outdoor Substation Design, editing  
16 substation drawings and calculating voltage drop. From fall 2008 to spring 2009, I  
17 created work orders for new projects and performed other financial tasks in Asset and  
18 Workload Planning. In the summer of 2009, I worked primarily with the System  
19 Protection and Control group at the Celilo DC Converter Station. I created a method for  
20 testing a combination input/output card and testing and modifying low-pass filters for the  
21 control system. In December and January 2009, I worked in System Control and  
22 Protection Engineering checking relay and protection drawings. Since June 2010, I have  
23 been employed at BPA as a Customer Service Engineer (CSE). My primary  
24 responsibilities in this position are working with customers on Generation Interconnection  
25 projects, calculating loss factors for customer billing, and serving as Clark County PUD's  
26 CSE.

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

2 A. I participated in the BP-12 rate proceeding as the witness for the Station Service study  
3 and estimate.  
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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 employed by the Bonneville Power  
6 Administration, 5411 NE Highway 99, Vancouver, Washington.

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

8 A. I am an Electrical Engineer in Technical Operations, Transmission Services, leading the  
9 wind integration and Automatic Generation Control (AGC) team.

10 *Q. Please state your educational background.*

11 A. I received a Bachelor of Science degree in Electrical Engineering (BSEE) from the  
12 University of 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 AGC system for  
15 about nine years. In 2003, I moved to the Technical Operations section and took charge  
16 of AGC for BPA. In this position I ensure that BPA's AGC system operates correctly  
17 with respect to national and regional standards. I have been involved with wind  
18 integration issues since 2006 and am the technical lead for transmission on the BPA  
19 Wind Integration Team. I was a member of the Western Electricity Coordinating Council  
20 (WECC) Performance Work Group, North American Electric Reliability Corporation  
21 (NERC) Resources Subcommittee, and Northwest Power Pool (NWPP) from 2003  
22 through 2007. I was a member of the WECC Control work group from 1995 through  
23 2003, serving as chair from 1998 through 2003. I am also a member of multiple  
24 transmission operations-related task forces and committees, including the WECC  
25 Operating Committee, the WECC Technical Operations Subcommittee, the WECC  
26 Variable Generation Subcommittee, and the NWPP Operating Committee.

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

2 A. I participated in preparation of the WI-09 Wind Integration rate case. I appeared as a  
3 witness on the generation reserve forecast panel in the WP-10 rate proceeding.

4 I appeared as a witness on the Balancing Reserve Capacity Quantity Forecast panel and  
5 the Operating Reserves Cost Allocation panel in the BP-12 rate proceeding.

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1 QUALIFICATION STATEMENT OF

2 RONALD E. MESSINGER

3 Witness for the Bonneville Power Administration

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

5 A. My name is Ronald E. Messinger. I am employed by the Bonneville Power  
6 Administration (BPA), 7500 NE 41st Street, Vancouver, Washington.

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

8 A. I am an Electrical Engineer in the Commercial Business Assessment section of the  
9 Transmission Policy and Strategy group in Transmission Marketing and Sales,  
10 Transmission Services.

11 *Q. Please state your educational background.*

12 A. I graduated from Walla Walla University in 1988 with a Bachelor of Science degree in  
13 Engineering with an Electrical concentration. I am a licensed Professional Engineer in  
14 Washington state.

15 *Q. Please summarize your professional experience.*

16 A. I have worked for BPA since September 1988. From September 1988 until  
17 January 1995, I worked as a Design Engineer in BPA's Telecommunication Systems  
18 Branch. In January 1995, I joined BPA's Control Center Design group in BPA's System  
19 Operations Branch, where I designed and developed systems for Transmission  
20 Operations and the Transmission commercial business. In February 2003, I worked in  
21 Telecommunication Systems Maintenance. In January 2004, I worked with a team  
22 developing a master plan for BPA's Transmission Business Commercial Systems. In  
23 May 2004, I was assigned to the Transmission Reservation Desk in BPA's Transmission  
24 Marketing and Sales organization. In February 2005, I began working for the  
25 Commercial Application Support group in BPA's Information Technology organization.  
26 In March 2006, I moved to the Database Design Group in BPA's Information

1 Technology organization, where I continued to support Transmission Commercial  
2 Business Systems.

3 In September 2007, I joined the Transmission Policy and Strategy group, where I provide  
4 analytical and technical support for transmission revenue forecasting and tracking.  
5 I develop and review cost of service analyses, including segmentation models and  
6 transmission rates models.

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

8 *A.* I served as a witness in the TR-10 rate case on the Ancillary and Control Area Services  
9 panel and Revenue Forecast panel. I served as a witness in the BP-12 rate case regarding  
10 the Transmission Sales and Revenue Forecast and the Montana Intertie.

1 QUALIFICATION STATEMENT OF

2 DENNIS E. METCALF

3 Witness for the Bonneville Power Administration

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

5 A. My name is Dennis E. Metcalf. I am employed by Volt Services Group as a contractor to  
6 the Bonneville Power Administration (BPA), Transmission Services, 7500 NE  
7 41st Street, Suite 130, Vancouver, Washington.

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

9 A. I am under contract to BPA in the Transmission Policy and Strategy section of the  
10 Transmission Marketing and Sales group in Transmission Services. I primarily work on  
11 transmission rates and transmission marketing policy.

12 *Q. Please state your educational background.*

13 A. I received a Bachelor of Science degree in Economics from Portland State University in  
14 1973.

15 *Q. Please summarize your professional experience.*

16 A. I was initially employed at BPA as a Federal employee in 1977 in the Division of Rates  
17 as an Industry Economist. For over 13 years I worked in the Division of Rates and the  
18 Division of Contracts and Rates. During this period, I worked on all aspects of BPA  
19 ratemaking, including retail rate review, transmission rates, cost allocation, nonfirm  
20 energy rates, power rate design, and rate case planning. I held several positions including  
21 Chief of the Rate Design Section, Chief of the Wholesale Rates Branch, and Deputy  
22 Director of the Division of Rates and of the Division of Contracts and Rates.

23 From 1991 to 1994, I was the Lower Columbia Area Power Manager. I managed  
24 BPA's Power Sales business with its customers in western Oregon and southwest  
25 Washington. My management functions included load forecasting, contract negotiation,  
26 and administration.

1 In 1994, I briefly served as a Direct Service Industry Account Executive.

2 From 1995 to 2007, I worked in transmission rates and policy in a number of  
3 managerial and technical positions. During that time I was responsible for the  
4 development of BPA's 1995 and 1996 Transmission Rates and Transmission Terms and  
5 Conditions cases, where BPA first adopted an Open Access Transmission Tariff. In  
6 addition, I was BPA's lead representative on the IndeGo pricing team from 1996 to 1998.  
7 I was also a member of BPA's core team to work on the formation of RTO West,  
8 focusing on pricing issues.

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

10 A. I filed written testimony and appeared as a witness in BPA's 1981, 1982, 1983, 1985,  
11 1987, 1995, 1996, 2002, 2004, and 2006 rate cases. In 1984, I testified before the Federal  
12 Energy Regulatory Commission on BPA's 1981 non-firm energy rates. In 1986, I  
13 testified in BPA's Variable Industrial Rate Case.

14 *Q. Please state your experience since retiring from BPA.*

15 A. I retired from BPA in November 2007. I worked as a consultant to investor owned  
16 utilities (IOUs) in the Northwest in 2008 and 2009, working primarily on BPA rate  
17 issues. I testified for the IOUs in the WP-07S, WP-10, and TR-10 rate cases. I also  
18 served as an expert during the Residential Exchange mediation in the early part of 2010.  
19 In April 2010, I became a contractor for BPA through Volt Services Group, as described  
20 above, which is the position I currently hold.

1 QUALIFICATION STATEMENT OF

2 TODD E. MILLER

3 Witness for the Bonneville Power Administration

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

5 A. My name is Todd E. Miller. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am the Transfer Services Manager in Power Services.

9 *Q. Please state your educational background.*

10 A. I received a Juris Doctorate with a Natural Resources Certificate from Lewis and Clark  
11 Northwest School of Law in 2001. My undergraduate degree is a Bachelor of Science in  
12 History, from North Arizona University in 1988. I also earned three semesters worth of  
13 credit towards a Master's degree in history with an emphasis on environmental history at  
14 North Arizona University.

15 *Q. Please summarize your professional experience.*

16 A. During law school I worked at BPA as a law clerk in the Transmission section of the  
17 Office of General Council for two years, including six months as the rates hearing clerk  
18 in the TR-02 rate proceeding. After graduation in 2001, I was hired as an attorney for  
19 BPA in the Power section of the Office of General Counsel. My responsibilities as an  
20 attorney included all Transmission-related issues faced by Power Services, including  
21 supporting the Transfer Services group. As the lead attorney on transmission issues for  
22 Power Services, my duties included negotiating several contracts with other transmission  
23 providers, providing legal interpretations of Open Access Transmission Tariff provisions  
24 and other transmission contracts, representing BPA before the Federal Energy Regulatory  
25 Commission in investor-owned utility rate proceedings, representing BPA in BPA rate  
26 cases as the lead attorney for generation inputs and transfer issues, and drafting and

1 negotiating the transmission and transfer services portions of the Regional Dialogue  
2 contracts.

3 I have been the Transfer Service Manager since August 1, 2012. In this role I am  
4 supervising the business unit that is responsible for administering and negotiating all of  
5 the transfer service contracts BPA holds with other transmission providers. Over half of  
6 BPA's requirements customers are served at least partially by transfer service, and this  
7 business unit has a budget of over \$50 million annually. The Transfer Services group  
8 also supports the BPA Account Executives on issues related to transfer and works with  
9 transfer customers on transmission for non-Federal resources and interconnection issues.

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

11 *A. BP-14 will be my first experience as a witness.*

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1 QUALIFICATION STATEMENT OF

2 TIMOTHY C. MISLEY

3 Witness for the Bonneville Power Administration

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

5 A. My name is Timothy C. Misley. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am an Engineer in the Long Term Power Planning section with the Power and  
9 Operational Planning group for Power Services.

10 *Q. Please state your educational background.*

11 A. I received a Bachelor of Science degree in Mechanical Engineering from the University  
12 of Portland in 1981.

13 *Q. Please summarize your professional experience.*

14 A. I have been employed by BPA since 1981 as an engineer. I am responsible for the  
15 development and implementation of database models that aggregate estimates of Federal  
16 system and regional total retail loads, contract obligations, and generating resource  
17 capabilities for use by BPA for short- to long-range energy and capacity planning. I am  
18 responsible for compiling this information for BPA's Loads and Resources Study used  
19 for BPA ratemaking, BPA's Pacific Northwest Loads and Resources Study (the White  
20 Book), and other reports, analyses, and data requests for BPA and other parties in the  
21 Pacific Northwest region.

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

23 A. I participated in the 1992, 1996, 2000, WP-02, SN CRAC 2003, WP-07, WP-10, and  
24 BP-12 rate proceedings, as well as the Tiered Rate Methodology proceeding, as a witness  
25 on the Loads and Resources panel.

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1 QUALIFICATION STATEMENT OF

2 LEON D. NGUYEN

3 Witness for the Bonneville Power Administration

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

5 A. My name is Leon D. Nguyen. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am a financial analyst in the Debt and Investment Management group of Corporate  
9 Finance.

10 *Q. Please state your educational background.*

11 A. I received a Bachelor of Science degree in Finance and minor in Mathematics from  
12 Portland State University in 2001.

13 *Q. Please summarize your professional experience.*

14 A. From 2002 to 2009, I was employed as a Financial Analyst for the BPA Corporate  
15 Budget Planning & Forecasting group. In that capacity, I led the agency forecasting  
16 coordinators include building, managing, and maintaining all official quarterly forecasts  
17 for all business lines. I used the PeopleSoft EPM Module and coordinated with Power  
18 Services, Transmission Services, and other Corporate analysts to produce the Quarterly  
19 Reviews on Finance Management Committee publication schedules. I also led the  
20 agency-wide effort in utilizing Hyperion Strategic Finance (HSF) software capabilities to  
21 model “what-if” analyses to evaluate the rate impact of long-term capital spending,  
22 financial ratios, financial statements, and so on.

23 Since 2009 I have worked as a Financial Analyst for the Debt and  
24 Investment Management group. I managed Lease Financing advances, draws,  
25 forecasting, and reporting and participate in all aspects of repayment work, including  
26 maintaining both Federal and non-Federal debt databases, preparing datasets, completing

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Page 1

Witness: Leon D. Nguyen

1 what-if repayment studies for entire debt portfolio, and briefing management and  
2 executives on the analyses.

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

4 *A. I have not served as a witness in any previous proceedings.*

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1 QUALIFICATION STATEMENT OF

2 NANCY PARKER

3 Witness for the Bonneville Power Administration

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

5 A. My name is Nancy Parker. I am employed by the Bonneville Power Administration (BPA),  
6 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am a Public Utilities Specialist in Power Rates.

9 *Q. Please state your educational background.*

10 A. I received a B.S. degree in microbiology from the University of Michigan in 1975. I have  
11 completed a portion of the Master's degree program in Business Administration at Portland  
12 State University.

13 *Q. Please summarize your professional experience at BPA.*

14 A. Since September 1979 I have been a Public Utilities Specialist specializing in rate  
15 development. For BPA's 1981 rate filing, I prepared studies in support of BPA's wholesale  
16 power rates, particularly the Nonfirm Energy rate.

17 For BPA's 1982 and 1983 rate filings, I was responsible for preparing BPA's  
18 Wholesale Power Rate Design Study. I also prepared studies in support of BPA's Surplus  
19 Firm Power and Nonfirm Energy rates. I prepared major portions of testimony on rate  
20 design issues for each of these rate filings as well as for the Federal Energy Regulatory  
21 Commission's Section 7(k) hearings on BPA's NF-1 and NF-2 Nonfirm Energy rates.

22 In 1986 I prepared testimony for BPA's rate hearing on the Southern California Edison  
23 Contract (SC-86) rate, and in 1988 I was in charge of the Modified SC-86 rate process.

24 I was responsible for the implementation of the Section 7(b)(2) methodology in BPA's  
25 1987 rate case and supervised the development of wholesale power rate projections.

26

1 From 1990 through the beginning of 1991, I oversaw the process in which BPA decided  
2 to continue the Variable Industrial (VI) rate after the first 5 years of implementation, and to  
3 extend the rate for an additional 3 years.

4 During 8 months of 1991, I was temporarily assigned to the Power Management staff  
5 of the Lower Columbia Area office.

6 In 1992 I joined the transmission rates staff. I worked on transmission rate and terms  
7 and conditions issues until 2007. At that time I became the rate case process manager for  
8 Power Services and managed the Tiered Rate Methodology rate case, the WP-10 rate case,  
9 and the power rate-related portion of the BP-12 rate case.

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

11 *A. I appeared as a witness in the following BPA rate cases: the 1985 and 1987 general rate*  
12 *cases, testifying on power rate issues; the Modified SC-86 rate case; the 1990 VI rate case;*  
13 *and the 1993, 1996, 2002, 2004, 2006, and 2008 rate cases, testifying on transmission rate*  
14 *issues.*

1 QUALIFICATION STATEMENT OF

2 FRANCIS R. PUYLEART

3 Witness for the Bonneville Power Administration

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

5 A. My name is Francis R. Puyleart. I am employed by the Bonneville Power  
6 Administration (BPA), Transmission Services, 5411 NE Highway 99, Vancouver,  
7 Washington.

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

9 A. I am an electrical engineer in the Technical Operations section of Transmission  
10 Services.

11 *Q. Please state your educational background.*

12 A. I received a Bachelor of Science degree in Electrical Engineering from the University of  
13 Portland in 2003 and a Master of Science degree in Electrical Engineering from the  
14 University of Idaho in 2006. I am a registered Professional Engineer in the state of  
15 Washington.

16 *Q. Please summarize your professional experience.*

17 A. I have been employed as an Electrical Engineer for BPA since December 2002. From  
18 September 2009 to the present, I have been assigned to work on issues related to wind  
19 generation and integration, including developing specifications and guidelines for  
20 processes and procedures involving the real-time integration of wind power to the BPA  
21 power system. I have been involved with developing a reliability-based balancing  
22 reserves tool, forecasting balancing reserve requirements, and pilot projects related to  
23 wind forecasting, customer-supplied generation imbalance, and dynamic transfer  
24 capability. I was principal study engineer and panel lead for the Balancing Reserves  
25 Capacity Quantity Forecast in the BP-12 rate case.

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1           From July 2006 to September 2009, I acted as Path Lead for the Northern Intertie  
2 technical study team, setting daily system operating limits and providing technical  
3 support to dispatch and outage coordination with other utilities. My other duties during  
4 this period included integration/modeling of Wind Generation and project management/  
5 design/implementation of study process improvements efforts. I served as the BPA  
6 representative for the Western Electricity Coordinating Council (WECC) Standard  
7 Drafting Team on VAR-001-WECC-1 and the Technical Operations representative for  
8 the WECC Westside Model implementation, the BPA Transformer Committee, and  
9 study tool development and model/base case validation.

10           From December 2002 to July 2006, I worked as part of BPA's Research and  
11 Development group and Base Case Development group. My work included modeling of  
12 Wind Generation, serving as a representative in the WECC Modeling & Validation  
13 Workgroup, project management, equipment/model testing and validation (generators,  
14 PDCI, load models), generation interconnection studies, employee training, model  
15 improvement, software assessment/validation, and validation case development.

16           Prior to my employment by BPA, I was employed as an engineering intern for  
17 various companies, including Kelly Electric Group, LLC, from May 2002 to  
18 August 2002; Harris Group, Inc., from May 2001 to August 2001; and Weyerhaeuser  
19 Company from May 2000 to August 2000.

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

21 *A. I was principal study engineer and panel lead for the Balancing Reserves Capacity*  
22 *Quantity Forecast in the BP-12 rate case.*

1 QUALIFICATION STATEMENT OF

2 TIMOTHY C. ROBERTS

3 Witness for the Bonneville Power Administration

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

5 A. My name is Timothy C. Roberts. I am employed by the Bonneville Power  
6 Administration (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am the manager of the Slice Operations and Management group in the Generation Asset  
9 Management organization within Power Services.

10 *Q. Please state your educational background.*

11 A. I received a Bachelor of Science degree in Electronics Engineering from DeVry Institute  
12 of Technology in 1978.

13 *Q. Please summarize your professional experience.*

14 A. In 1978, I started my career as a research engineer for Dresser Atlas. From 1984 through  
15 1990, I operated my own company providing SCADA and process control engineering  
16 services to public and private companies in Alaska. From 1990 through 1998, I was  
17 employed as the Director of Information Systems for Alaska Commercial Company.

18 From April 2001 through May 2004, I worked at BPA as an independent  
19 contractor in implementing the Block/Slice Power Sales Agreement and developing the  
20 Slice Computing Application. In May of 2004, I was hired into BPA's Power Business  
21 Line (now Power Services) Information Technology organization as the Slice IT Project  
22 Manager and Business Analyst for the Slice product. Since my employment by BPA, I  
23 have worked on Slice product issues. In May 2007, I was selected as the manager of the  
24 Slice Operations and Management group, which is responsible for the Slice product.

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

26 A. I served as a witness on Slice issues in the WP-10, TRM-12, and BP-12 rate proceedings.

1 QUALIFICATION STATEMENT OF

2 GLENN A. RUSSELL

3 Witness for the Bonneville Power Administration

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

5 A. My name is Glenn A. Russell. I am employed by the Bonneville Power Administration  
6 (BPA), 7500 NE 41st Street, Suite 130, Vancouver, Washington.

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

8 A. I am an electrical engineer in the Customer Service Engineering section in Transmission  
9 Services. I work primarily on customer service engineering issues.

10 *Q. Please state your educational background.*

11 A. I graduated from Gonzaga University in 1991 with a Bachelor of Science degree in  
12 Electrical Engineering.

13 *Q. Please summarize your professional experience.*

14 A. I have worked for BPA on a full-time basis since March 1992. From that time until  
15 September 1994, I worked as an Electrical Engineer on the Advanced Planning Staff,  
16 Division of System Planning, Office of Engineering. During this time I also participated  
17 in training details in System Maintenance and System Operations. My primary  
18 responsibilities in Advanced Planning were to provide transmission planning and related  
19 economic analyses. This included conducting studies to determine long-range  
20 transmission requirements for BPA and the interconnected system, as well as  
21 participating in studies and providing data to develop BPA's transmission rates,  
22 contracts, and policy. Specific assignments included segmentation and wheeling loss  
23 assessment.

24 In September 1994 I was assigned to Strategic Planning, and in 1996 I was  
25 reassigned to Business Strategy and Assessment. My primary assignments were in the  
26 areas of transmission rates, reactive power issues, and engineering economic analyses.

1 In December 2006, I began a training detail to Customer Service Engineering and was  
2 assigned to that group in December 2007.

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

4 A. I have served on panels that sponsored testimony on the following topics: Ancillary  
5 Services in the WP-02 rate case; Synchronous Condensing in the WP-10 rate case; and  
6 Station Service, Segmentation of COE and Reclamation Network and Delivery Facilities,  
7 and Synchronous Condensing in the BP-12 rate case.

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1 QUALIFICATION STATEMENT OF

2 RANDY B. RUSSELL

3 Witness for the Bonneville Power Administration

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

5 A. My name is Randy B. Russell. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am a Public Utility Specialist in the Residential Exchange Program (REP) group in  
9 Power Services.

10 *Q. Please state your educational background.*

11 A. I received a Bachelor of Arts degree in Economics from the University of Utah in 1976  
12 and a Master of Science degree in Economics from the University of Utah in 1984.

13 *Q. Please summarize your professional experience.*

14 A. In May 1982, I began work at BPA as a Public Utilities Specialist in the Cost and  
15 Analysis Section of the Division of Rates. In 1983, I transferred to the Division of  
16 Financial Requirements as a Financial Analyst. My major duties included forecasting the  
17 costs of the REP for BPA's rate cases, budget submittals, and REP contract buyouts.

18 In 1994, I was promoted to the position of Manager of Financial Analysis and  
19 Consulting in the Financial Services Group. In this position, my major duties included  
20 managing the development of a new agencywide capital budget process, performing  
21 corporate risk analyses, and forecasting agency net revenues and reserves for planning  
22 and setting financial targets.

23 In August 2000, I transferred to the Capital and Risk Management group under  
24 the Chief Financial Officer. My major duties included analyzing agencywide financial  
25 risk and related financial analyses.

1           In October 2003, I transferred to Enterprise Risk Management under the Chief  
2 Risk Officer. My major duties included providing staff support to the Enterprise Risk  
3 Management Committee, performing analyses on strategic risks, and developing tools for  
4 analyzing global financial risk.

5           In July 2007, I joined the team tasked with developing a new ASC Methodology  
6 to replace the 1984 ASC Methodology. My duties included analyzing technical issues  
7 related to the new ASC Methodology, preparing and delivering presentations on major  
8 issues to BPA management and stakeholder groups during the ASC Methodology  
9 consultation process, assisting in developing the final ASC Methodology, and assisting in  
10 writing the associated Record of Decision.

11           In October 2008, I was detailed to the Residential Exchange Program group. My  
12 position was made permanent in June 2009. My chief duties include developing and  
13 maintaining the model BPA uses to determine rate period ASCs and to forecast ASCs for  
14 BPA's rate cases. I also work with BPA's ASC review analysts to resolve technical  
15 issues that arise during the review of participating utilities' ASC submittals.

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

17 *A. I was a BPA witness on the panel that sponsored the FY 2009 ASC forecasts in BPA's*  
18 *WP-07 Supplemental rate proceeding, and was a BPA witness regarding the forecast of*  
19 *REP costs in BPA's WP-10 rate proceeding, BP-12 rate proceeding, and REP-12 rate*  
20 *proceeding. In BPA's WP-07 and WP-07 Supplemental rate proceedings, I sponsored*  
21 *testimony on the Non-Operating Risk Model (NORM). I was also a witness in the Safety*  
22 *Net Cost Recovery Adjustment Clause rate proceeding, sponsoring testimony and*  
23 *analysis for the Accrual-to-Cash adjustments used by ToolKit to convert net revenues*  
24 *into cash.*

1 QUALIFICATIONS STATEMENT OF

2 TRACEY SALAZAR

3 Witness for Bonneville Power Administration

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

5 A. My name is Tracey Salazar. I am employed by the Bonneville Power Administration  
6 (BPA), Transmission Services, 7500 NE 41st Street, Suite 130, Vancouver, Washington.

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

8 A. I am a Policy Specialist in the Transmission Policy Development and Analysis section  
9 of the Transmission Marketing and Sales group in Transmission Services.

10 *Q. Please state your educational background.*

11 A. I graduated from New Mexico State University in 1987 with Bachelor of Arts degrees in  
12 Economics and Government and in 1989 with a Master of Arts degree in Regulatory  
13 Economics.

14 *Q. Please summarize your professional experience.*

15 A. In 1989 I began working for BPA as a Financial Analyst in the Residential Exchange  
16 Branch reviewing residential exchange filings to determine participant benefits. From  
17 1990 until 1994 I worked in BPA's Planning and Resource Evaluation section as an  
18 Industry Economist. I conducted economic analyses of generating resource projects,  
19 conservation projects, and system sales bid to BPA through competitive bidding  
20 processes. I also conducted economic analyses in support of BPA integrated resource  
21 plans, rate cases, and environmental impact statements.

22 From 1994 through 1996 I was the Assistant Segment Manager of the Investor-  
23 Owned Utilities (IOU) Segment in BPA's Power Marketing group. I managed contracts  
24 associated with over \$400 million of annual power and transmission sales revenues from  
25 Northwest IOUs. I also developed long-term power and transmission sales offers and  
26 served on negotiation teams for power and transmission contracts.

1           In 1996 I became Manager of the Transmission Services group in BPA's Power  
2 Business Line (now Power Services). I developed, staffed, and managed a new  
3 organization responsible for securing transmission services for BPA's Power Business  
4 Line as part of the implementation of the Federal Energy Regulatory Commission's  
5 Order No. 888. I was responsible for acquiring and scheduling transmission for short-  
6 term and long-term power sales in the Northwest and California. I also advised traders  
7 and marketers on a variety of transmission issues.

8           In 1998 I left BPA and became a Short-Term Trader for Arizona Public Service  
9 (APS). I traded and scheduled power in the daily and balance-of-month markets  
10 throughout the Western Electricity Coordinating Council area, including in the  
11 California Independent System Operator and Power Exchange. I also represented APS  
12 Bulk Power Marketing in the development of Arizona retail access (including  
13 transmission access, scheduling, and settlement) and Regional Transmission  
14 Organization development.

15           From 1999 through 2001, I worked for AES NewEnergy as the Regional  
16 Manager of Electricity Products and Supply in California. I originated standard and  
17 exotic wholesale electricity contracts in support of retail energy sales in California.  
18 I developed and priced retail energy products with a strong focus on risk management.  
19 I was responsible for management of the retail energy portfolio and operational issues  
20 associated with serving retail load.

21           In 2001 I began working as a Project Manager for AES Pacific in San Francisco,  
22 CA. I worked with a team to develop and permit greenfield generating projects.  
23 I worked with regulatory agencies, transmission operators, and control areas on diverse  
24 issues related to generation and transmission. I was also responsible for economic and  
25 risk analyses on generation projects.

1           In 2002, I became a Real-Time Power Trader for Public Service Company of  
2 New Mexico's (PNM) Wholesale Power Marketing group. I analyzed current day  
3 resource needs, market conditions, and transmission availability in developing a  
4 resource strategy to meet PNM's load obligations. I negotiated electricity and ancillary  
5 services purchases and sales with utilities and power marketers to maximize net revenue  
6 within risk and reliability parameters. I responded to generator outages and other  
7 operational issues consistent with reliability criteria.

8           From 2005 through 2011 I worked as a Short-Term Trader at PNM. I analyzed  
9 electricity market conditions, next-day resource needs, and generation availability and  
10 cost in developing a resource strategy to meet PNM's load obligations and optimize off-  
11 system sales. I traded in the day-ahead and short-term markets in the WECC.  
12 I coordinated generation outages and tests to minimize net cost. I was responsible for  
13 representing PNM Wholesale Power Marketing in various regulatory forums.

14           In November of 2011, I returned to BPA as a Policy Specialist in the  
15 Transmission Policy Development and Analysis section of the Transmission Marketing  
16 and Sales group in Transmission Services. I provide qualitative and quantitative  
17 analysis on a number of policy issues, including the provision of redispatch under BPA's  
18 Open Access Transmission Tariff.

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

20 *A. I have not served as a witness in any previous BPA rate proceedings.*

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1 QUALIFICATION STATEMENT OF

2 ANDREW J. SPEER

3 Witness for the Bonneville Power Administration

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

5 A. My name is Andrew J. Speer. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am an Industry Economist in the Residential Exchange Program group of Power Services.

9 *Q. Please state your educational background.*

10 A. I received a Bachelor of Science degree in economics from Portland State University (PSU)  
11 in 2007. I completed a Master of Science degree in economics from PSU in 2009.

12 *Q. Please summarize your professional experience.*

13 A. In July 2009, I entered Federal service at BPA as an Industry Economist in the  
14 Residential Exchange Program (REP). I have worked in the REP as an Average System  
15 Cost (ASC) analyst reviewing and evaluating the ASCs of both investor-owned and  
16 consumer-owned utilities. I have reviewed exchanging utilities' official ASC filings for  
17 both the 2012-2013 and 2014-2015 ASC filings reflected in the BP-12 and BP-14 rate  
18 cases. In the REP-12 rate proceeding I analyzed exchanging utilities' Integrated  
19 Resource Plans to develop the mix of new resources for the Long-Term ASC Forecast  
20 Model used to calculate long-term ASCs for the REP Settlement.

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

22 A. I served as a witness on the REP-12 proceeding.  
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1 QUALIFICATION STATEMENT OF

2 LARRY M. STENE

3 Witness for the Bonneville Power Administration

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

5 A. My name is Larry M. Stene. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am a Public Utilities Specialist in Power Services Business Operations.

9 *Q. Please state your educational background.*

10 A. I received a B.B.A. degree in Management from the University of Texas at Austin in  
11 1994. I received a J.D. degree from the Southern Methodist University School of Law in  
12 1999.

13 *Q. Please summarize your professional experience.*

14 A. From 1976 to 1982, as a member of the US Navy Nuclear Power Program, I worked as a  
15 nuclear plant electrical operator and power dispatcher aboard nuclear-powered aircraft  
16 carriers. From 1985 to 1999, I worked as a paralegal and/or legal investigator for several  
17 employers, primarily providing legal research, writing, and support services to law firms  
18 in employment law cases.

19 From 2001 to 2004 I was employed by GE Wind Energy as a Contracts Manager  
20 for the Sourcing and Commercial Transactions departments. I enforced GE Wind's  
21 warranty rights with international and domestic suppliers, and I negotiated and drafted  
22 commercial contracts for turbine sales and wind-power development projects.

23 From 2005 to 2007, I was employed by the Texas Public Utility Commission in  
24 its Policy and Advising group working solely on electric utility matters. I worked briefly  
25 as a Policy Analyst, then transferred to the Commission Advising group, where I worked  
26 as a Senior Advising Attorney. I provided legal and public policy review of contested

1 case determinations and administrative appeals. I drafted and presented confidential  
2 analysis memoranda and recommendations for decisions to the Commissioners and  
3 provided oversight to junior attorneys performing similar work.

4 In 2007, I accepted a position with Bonneville Power Administration in the Power  
5 Policy and Rates group of its Power Business Line (now Power Services). In that  
6 capacity, I led the development of processes associated with the High Water Mark  
7 portions of BPA's Long Term Regional Dialogue Policy and conducted related revisions  
8 to BPA's Policy on Determining Net Requirements of Pacific Northwest Utility  
9 Customers Under Sections 5(b)(1) and 9(c) of the Northwest Power Act.

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

11 *A.* I was previously a witness in the initial and supplemental BPA Tiered Rate Methodology  
12 7(i) proceedings. Through those proceedings, BPA issued and refined its Tiered Rate  
13 Methodology that went into effect October 1, 2011.

1 QUALIFICATION STATEMENT OF

2 PETER B. STIFFLER

3 Witness for the Bonneville Power Administration

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

5 A. My name is Peter Benjamin Stiffler. I am employed by the Bonneville Power  
6 Administration (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am an Industry Economist in Power Rates.

9 *Q. Please state your educational background.*

10 A. I received a Bachelor of Arts degree in economics from Whitman College in 1999. I  
11 completed a Master of Urban and Regional Planning from Portland State University in  
12 2003, and a PhD in economics from University of Oregon (UO) in 2010.

13 *Q. Please summarize your professional experience.*

14 A. Concurrent with my urban planning studies, I was a Planning Assistant for the Portland  
15 Bureau of Planning from September 1999 through June 2000. I started as an  
16 Economist/Technical Writer for Economic Insight, Inc. (EII) in July 2000, serving  
17 occasionally as a guest writer for the Energy Market Report, editor for PacWest Oil  
18 Data, and primary/secondary support for a number of consulting projects in electricity,  
19 natural gas, and petroleum industries. I left EII in June 2003 to work for PacifiCorp as a  
20 Risk Analyst in Global Risk Management, Portfolio Risk. I moved into Major Projects  
21 and Planning in July 2004, where I remained until June 2005, when I left PacifiCorp to  
22 pursue graduate work at UO. I was a Graduate Teaching Fellow for four years at UO, a  
23 Teaching Assistant from September 2005 through June 2007, a Research Assistant in the  
24 Mikesell Lab of Environmental Economics in summer 2007, and an Instructor in  
25 Econometrics, Microeconomics, and Labor Economics from September 2007 through  
26 September 2009. Since coming to BPA in July 2009, I have worked on implementing

1 the Tiered Rate Methodology (TRM) in the Rate Analysis Model (RAM), streamlining  
2 current modeling approaches, collaborating with study managers on 7(b)(2) discount  
3 assumptions and conservation treatment under the TRM, and developing the TRM  
4 Billing Determinant Model (a subset of the larger RAM). I have also provided  
5 analytical and development support and program design for the Prepayment for Power  
6 program, and led the RHWM Process for the BP-14 rate case.

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

8 A. I was a witness in the Residential Exchange Program 2012 (REP-12) proceeding and  
9 study manager for the REP-12 Evaluation Study for the REP Settlement, with written  
10 testimony evaluating the consistency of the REP Settlement with the provisions of the  
11 Northwest Power Act on a forward-looking basis. I was also a witness for the BP-12  
12 proceeding and analyst in support of the Power Rates Study. I sponsored testimony in  
13 support of BPA's implementation of the Tiered Rates Methodology in BP-12, as well as  
14 sponsoring testimony associated with the 7(b)(2) Study and associated documentation.

1 QUALIFICATION STATEMENT OF

2 LAUREN E. TENNEY

3 Witness for the Bonneville Power Administration

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

5 A. My name is Lauren E. Tenney. I am employed at the Bonneville Power Administration,  
6 (BPA), Transmission Services, 7500 NE 41st Street, Suite 130, Vancouver, Washington.

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

8 A. I am a Public Utilities Specialist (Revenue Analyst) in the Transmission Policy and  
9 Strategy section of the Transmission Marketing and Sales group in Transmission  
10 Services.

11 *Q. Please state your educational background.*

12 A. I graduated from Lewis & Clark College in 2008 with a Bachelor of Arts in Economics.

13 *Q. Please summarize your professional experience.*

14 A. In March 2008, I began working for BPA as a student employee in the Transmission  
15 Billing group, where I issued monthly bills to BPA's transmission customers. In  
16 June 2008, I transferred to the Transmission Policy & Strategy group, where I supported  
17 senior staff in policy development, market research, and data analysis. I was converted to  
18 full-time status as a Public Utilities Specialist (Revenue Analyst) in March 2009. My  
19 duties include forecasting of revenues, support of revenue risk analysis, and analytical  
20 support to senior staff.

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

22 A. I was a witness in the BP-12 rate proceeding, testifying on transmission revenue  
23 forecasting issues.

1 QUALIFICATION STATEMENT OF

2 EMILY G. TRAETOW

3 Witness for the Bonneville Power Administration

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

5 A. My name is Emily G. Traetow. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am an Industry Economist in the Power Account Services (PSS) group for Power  
9 Services.

10 *Q. Please state your educational background.*

11 A. I received a Bachelor of Science degree in Economics from Utah State University in  
12 2003.

13 *Q. Please summarize your professional experience.*

14 A. From July 2003 until July 2005, I worked as an industry economist at the Bureau of  
15 Economic Analysis (BEA), an agency of the U.S. Department of Commerce. While at  
16 BEA, I primarily worked on industry economic accounts, such as Gross Domestic  
17 Product by Industry and Input-Output Accounts.

18 In October 2005, I was hired as an industry economist in BPA's Power Account  
19 Services group. Initially I worked as an analyst on customer core teams and as a utility  
20 load forecaster. From March 2007 until March 2010, I worked with a team to draft and  
21 implement the post-2011 power sales contracts, known as the Regional Dialogue  
22 contracts. Specifically, I was responsible for drafting the power purchase obligation and  
23 non-Federal resource portions of the Regional Dialogue contracts. In March 2010, I  
24 became the lead economist in PSS and have been working on the public customer rate  
25 impact models and revenue forecasts.

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

2 A. I served as a witness on Loads and Resources, Low Density Discount, and Irrigation Rate  
3 Discount in the BP-12 rate proceeding.  
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1 QUALIFICATION STATEMENT OF

2 KARL VISCHER

3 Witness for the Bonneville Power Administration

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

5 A. My name is Karl Vischer. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am a Risk Analyst in the Chief Risk Office.

9 *Q. Please state your educational background.*

10 A. I completed a Bachelor of Science degree in Mechanical Engineering at the Stevens  
11 Institute of Technology in 1974; a Master of Science degree in Engineering Economics  
12 at Stanford University in 1977; and a Master of Business Administration in Finance at  
13 the University of California at Berkeley in 1983.

14 *Q. Please summarize your professional experience.*

15 A. Prior to my employment at BPA, I worked for several years performing engineering and  
16 economic planning studies for various organizations. From 1977 to 1985, I performed  
17 energy-related engineering and economic planning studies for SRI International (Menlo  
18 Park, CA) and Bechtel Group (San Francisco, CA). From 1986 to 1990, I was engaged  
19 in engineering and economic planning studies associated with fiber optic network  
20 expansion for the Pacific Telesis Group (San Ramon, CA).

21 In 1991, I joined BPA as a mechanical engineer with the Energy Efficiency  
22 (Industrial) group. In 1998, I transferred to a position as a risk analyst in Power Services  
23 analyzing the financial risks associated with the trading floor portfolio of power sales  
24 and purchases. In 2003, I became a risk analyst in BPA's Chief Risk Office (CRO). In  
25 this position I have led numerous assessments of the risks the agency faces for the  
26 Enterprise Risk Management group within the CRO organization. This work generally

1 involves extensive information gathering and analysis of uncertainties in costs and  
2 revenues similar to the work that is performed for BPA rate cases. The work has  
3 included assessments of risks in such areas as transmission grid asset replacement,  
4 transmission capital program supply chain, and billing system accuracy and reliability.

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

6 *A. I was a witness in the TR-10 rate case, testifying on transmission risk modeling and*  
7 *analysis.*

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1 QUALIFICATION STATEMENT OF

2 ARNOLD L. WAGNER

3 Witness for the Bonneville Power Administration

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

5 A. My name is Arnold L. Wagner. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am a Risk Analyst in the Power Services Business Operations group.

9 *Q. Please state your educational background.*

10 A. I received a Bachelor of Science degree in Civil Engineering from Portland State  
11 University in 1973 and a Master of Science degree in Civil Engineering from Portland  
12 State University in 1976.

13 *Q. Please summarize your professional experience.*

14 A. I began my employment at BPA in 1978 in the Division of Transmission Engineering.  
15 My primary assignment was the continued development and maintenance of the BPA  
16 computer model used to design transmission towers.

17 In 1987, I began working in the Office of Energy Resources, Power Systems  
18 Branch. I was a member of a team that designed and developed the BPA hydrosystem  
19 simulation model, Hydrosim.

20 In 1998, I moved to the Power Services Risk Management group and participated  
21 in the development of the new RiskMod model to be used in the WP-02 rate case.

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

23 A. I served on the Risk Analysis and Mitigation panel in the BP-12 rate proceeding.  
24 I sponsored testimony in BPA's BP-12 rate case in support of the Risk Analysis and  
25 Mitigation Study.

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1 I served on two panels in the WP-10 Power rate case, the Risk Analysis and  
2 Mitigation panel and the Revenue Forecast and Purchased Power Expenses panel. I  
3 sponsored testimony in BPA's WP-10 Power rate case in support of the Risk Analysis  
4 and Mitigation Study and the Revenue Forecast and Purchased Power Expenses section  
5 of the Wholesale Power Rate Development Study.

6 I served as a witness on the Risk Analysis panel in the WP-02 (all cases) and  
7 WP-07 and WP-07 Supplemental Power rate cases. I sponsored testimony in BPA's  
8 WP-02, WP-07, and WP-07 Supplemental Power rate cases in support of the Risk  
9 Analysis Study. I also sponsored testimony in BPA's WP-07 Supplemental Power rate  
10 case in support of the Risk Mitigation Study and the Revenue Forecast section of the  
11 Wholesale Power Rate Development Study.

1 QUALIFICATION STATEMENT OF

2 JOHN D. WELLSCHLAGER

3 Witness for the Bonneville Power Administration

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

5 A. My name is John D. Wellschlager. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am an Account Executive, Bulk Power Marketing, for Power Services. One of my  
9 responsibilities is to manage the generation inputs Memorandum of Agreement for Power  
10 Services. This agreement is for services provided to Transmission Services from the Federal  
11 Columbia River Power System (FCRPS) necessary for the operation of the BPA Balancing  
12 Authority. I also manage the procurement of Tier 2 Power to hedge BPA's Tier 2 load  
13 obligations as defined by the TRM.

14 *Q. Please state your educational background.*

15 A. I received a Bachelor of Science degree in Mechanical Engineering from Portland State  
16 University in 1987. I also received a Bachelor of Science degree in Sociology from the  
17 University of Oregon in 1985. In July of 1989, I successfully passed the Engineering in  
18 Training examination and received certification from the Oregon Board of Engineering  
19 Examiners.

20 *Q. Please summarize your professional experience.*

21 A. In March 1992, I began work at BPA as a Supervisory Facilities Specialist managing  
22 maintenance for the headquarters complex. In January 1996, I began working in the Power  
23 Business Line (now Power Services) West Hub. I served as the Senior Contract Specialist  
24 for BPA customers Seattle City Light, Tacoma, Snohomish PUD, and EWEB. In July 2000,  
25 I took a position as a Project Representative in BPA's Federal Hydro Group, working  
26 directly with Bureau of Reclamation and Corps of Engineers hydroelectric projects in the

1 FCRPS on operations and maintenance and capital replacement projects associated with  
2 generation. In January of 2003, I accepted a position as Manager of Operations Planning. In  
3 this capacity I oversaw the modeling of generation and electrical loads associated with the  
4 FCRPS. I also represented BPA on the Technical Management Team, an inter-agency  
5 technical group responsible for making recommendations on FCRPS dam and reservoir  
6 operations. In June 2006, I accepted a position as an Agency Asset Strategist. In this  
7 capacity, I helped start BPA's first agency asset management program. In April 2008, I  
8 began my current job as an Account Executive in Bulk Power Marketing.

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

10 *A. I served as a witness for BPA providing testimony on the Synchronous Condensing panel*  
11 *during the WP-10 and BP-12 rate proceedings. I have also provided Declarations on*  
12 *behalf of BPA in two cases before the Federal District Court of Oregon. The first,*  
13 *National Wildlife Federation v. National Marine Fisheries Services, 254 F.Supp.2d 1196*  
14 *(D. Or. 2003), involved the short-term emergency operations of the FCRPS. The second,*  
15 *American Rivers, Inc. v. NOAA Fisheries, 2006 WL 468353 (D. Or. 2006), involved the*  
16 *operational relationship of the Upper Snake River projects to that of the Lower River*  
17 *Projects of the FCRPS.*

1 QUALIFICATION STATEMENT OF

2 NIGEL WILLIAMS

3 Witness for the Bonneville Power Administration

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

5 A. My name is Nigel Williams. I am employed at the Bonneville Power Administration  
6 (BPA), 905 NE. 11th Avenue, Portland, Oregon.

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

8 A. I am an analyst in the Enterprise Risk Management group.

9 *Q. Please state your educational background.*

10 A. I earned a Bachelor of Science degree in Emergency Administration and Planning in  
11 June 1996 and a Master of Business Administration with an emphasis in Finance from  
12 Loyola University Chicago in December 2002.

13 *Q. Please summarize your professional experience.*

14 A. From 2009 to the present I have been employed at BPA. I have worked for BPA's  
15 Enterprise Risk Management group, and I also served a one year rotation in the  
16 Transmission Internal Operations group.

17 My experience in the Enterprise Risk Management role has included facilitating  
18 agency-wide and organizational risk assessments, providing risk management and  
19 decision support consultations to various organizations, conducting risk management and  
20 Agency Decision Framework trainings to agency staff, and participating on risk reviews  
21 for projects submitted to the Agency Capital Project Review Team.

22 My experience in the Transmission Internal Operations group included  
23 conducting capital project post-investment reviews and providing risk assessment and  
24 Agency Decision Framework consultations for Transmission organizations.

25 Prior to my employment at BPA, I worked at the Federal Reserve Bank of  
26 Chicago in various capacities including Banking Supervision and Regulation Analyst,

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Business Continuity Analyst, and Enterprise Risk Management Analyst. During my tenure at the Federal Reserve, my duties included leading or participating in bank consumer protection examinations, participating in business continuity preparation initiatives, and leading or facilitating risk assessments for various organizations.

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

A. I have not served as a witness in BPA rate proceedings.

1 QUALIFICATION STATEMENT OF

2 PETER T. WILLIAMS

3 Witness for the Bonneville Power Administration

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

5 A. My name is Peter T. Williams. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am an Industry Economist in Power Services Business Operations.

9 *Q. Please state your educational background.*

10 A. I hold a B.S. in Economics from the University of Puget Sound and a Ph.D. in  
11 Economics from the University of Oregon.

12 *Q. Please summarize your professional experience.*

13 A. Prior to graduate school I worked for the Idaho Economic Research Center as a research  
14 assistant for a period of one year. After graduate school, I joined BPA in  
15 September 2010 and have worked there since. While at BPA, my primary responsibility  
16 has been the maintenance and development of AURORAxmp. This entails data  
17 collection and management, model development and maintenance, verification of  
18 output, website maintenance, and run documentation. Also, I work as needed in  
19 conjunction with the Resource Program. I received my Ph.D. in March 2011. While at  
20 BPA I was enrolled part time at the University of Oregon in preparation for my final  
21 thesis defense but was not engaged in coursework or teaching.

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

23 A. I have not served as a witness in previous proceedings.  
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1 QUALIFICATIONS STATEMENT OF

2 DANIEL R. YOKOTA

3 Witness for the Bonneville Power Administration

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

5 A. My name is Daniel R. Yokota. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am a Public Utilities Specialist in the Transfer Services section of the Northwest  
9 Requirements Marketing group in Power Services.

10 *Q. Please state your educational background.*

11 A. I graduated from University of Portland in 2009 with a Bachelor of Business  
12 Administration – Finance.

13 *Q. Please summarize your professional experience.*

14 A. I have worked for BPA since July 2010, when I was hired into the Customer Billing  
15 section, which is a group within the Customer Support Services organization. In  
16 Customer Billing, my work included analysis and billing for various complex products  
17 and services and in-depth analysis of products and services under new or existing  
18 contracts.

19 In February 2012, I moved to the Transfer Services section of the Northwest  
20 Requirements Marketing group in Power Services, where I administer various transfer-  
21 related agreements, including general transfer agreements and the newer Open Access  
22 Transmission Tariff network service agreements.

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

24 A. I have not served as a witness in any previous proceedings.

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1 QUALIFICATION STATEMENT OF

2 CRAIG R. LARSON

3 Witness for the Bonneville Power Administration

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

5 A. My name is Craig R. Larson. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am an analyst for the Slice Operations and Management group in the Generation Asset  
9 Management organization within Power Services.

10 *Q. Please state your educational background.*

11 A. I earned a Bachelor of Science degree in Economics from University of Oregon in 1982  
12 and a Bachelor of Science degree in Engineering from Portland State University in 1987.  
13 In 1989 I completed the requirements and qualified as a Registered Professional Engineer  
14 (PE) in the State of Oregon. My registration status is active.

15 *Q. Please summarize your professional experience.*

16 A. Between May 1987 and July 1997 I was employed by the Army Corps of Engineers in a  
17 variety of capacities as an engineer. From July 1997 to present I have served Bonneville  
18 Power Administration as long-term hydro studies analyst, real-time trader, and public  
19 utility analyst in the Slice Operations group. My present responsibilities include  
20 development and implementation of the Slice Computing Application supporting the  
21 Regional Dialogue Block/Slice Power Sales Agreement.

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

23 A. This is the first time I have served as a witness in a rates proceeding.  
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1 QUALIFICATION STATEMENT OF

2 STEPHEN WHITE

3 Witness for the Bonneville Power Administration

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

5 A. My name is Stephen White. I am employed by the Bonneville Power Administration  
6 (BPA), 905 NE 11th Avenue, Portland, Oregon.

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

8 A. I am a Public Utilities Specialist in BPA's Strategy Integration section of Corporate  
9 Strategy.

10 *Q. Please state your educational background.*

11 A. I hold a B.A. in Psychology from the University of Alaska and M.B.A.s in Finance,  
12 Information Management Technology, and Conflict Management and Negotiation from  
13 Touro University.

14 *Q. Please summarize your professional experience.*

15 A. I started my energy industry career at PacifiCorp in February 2007 as a risk management  
16 analyst and was promoted to a planning and financial consultant in PacifiCorp's  
17 Integrated Resource Planning Department. I conducted analyses and modeling in  
18 support of PacifiCorp's 2009 Integrated Resource Plan.

19 Since starting at BPA in August 2009, I have worked in Strategy Integration on  
20 generation resource and transmission planning projects. That work has included  
21 developing forecasts of regional wind penetration, delivered costs of resources, and wind  
22 diversity. This has entailed conducting significant research involving wind generation  
23 data in Oregon, Washington, Idaho, Montana, Wyoming, British Columbia, and Alberta.  
24 My work has also included review of Renewable Portfolio Standards (RPS), common  
25 assumptions development, and resource and transmission scenario development. More  
26 recently, I have been working as a policy strategist developing and coordinating key

1 strategic issue reports, working with Strategy Integration's and other BPA subject matter  
2 experts (SMEs) and with other stakeholders outside the agency (such as well-known  
3 industry experts). These reports, which include analysis and recommendations, cover  
4 major trends and developments in technology, legislation, regulation, markets, consumer  
5 trends, and political attitudes relating to matters of strategic importance such as  
6 greenhouse gas management, renewables, energy efficiency and demand management,  
7 infrastructure planning and siting, and emerging risks, that help BPA executives,  
8 managers and SMEs better understand BPA's changing business and operating  
9 environment.

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

11 *A. I have not served as a witness in previous proceedings.*

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