Exhibit No.\_\_\_(JJS-2)

Docket UE-13\_\_\_\_

Witness: John S. Spanos

**BEFORE THE**

**WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

|  |  |  |
| --- | --- | --- |
| In the Matter of the Petition of PACIFICORP, d.b.a. Pacific Power & Light Company, For an Order Authorizing a Change in Depreciation Rates Applicable to Electric Property. | )))))))) | Docket UE-13\_\_\_\_ |

**PACIFICORP**

**EXHIBIT OF JOHN J. SPANOS**

**Witness Qualifications**

**January 2013**

**Q. Please state your name.**

A. My name is John J. Spanos.

**Q. What is your educational background?**

A. I have Bachelor of Science degrees in Industrial Management and Mathematics from Carnegie-Mellon University and a Master of Business Administration from York College.

**Q. Do you belong to any professional societies?**

A. Yes. I am a member and current President of the Society of Depreciation Professionals and a member of the American Gas Association/Edison Electric Institute Industry Accounting Committee.

**Q. Do you hold any special certification as a depreciation expert?**

A. Yes. The Society of Depreciation Professionals has established national standards for depreciation professionals. The Society administers an examination to become certified in this field. I passed the certification exam in September 1997 and was recertified in August 2003 and February 2008.

**Q. Please outline your experience in the field of depreciation.**

A. In June, 1986, I was employed by Gannett Fleming Valuation and Rate Consultants, Inc. as a Depreciation Analyst. During the period from June, 1986 through December, 1995, I helped prepare numerous depreciation and original cost studies for utility companies in various industries. I helped perform depreciation studies for the following telephone companies: United Telephone of Pennsylvania, United Telephone of New Jersey, and Anchorage Telephone Utility. I helped perform depreciation studies for the following companies in the railroad industry: Union Pacific Railroad, Burlington Northern Railroad, and Wisconsin Central Transportation Corporation.

 I helped perform depreciation studies for the following organizations in the electric utility industry: Chugach Electric Association, The Cincinnati Gas and Electric Company (CG&E), The Union Light, Heat and Power Company (ULH&P), Northwest Territories Power Corporation, and the City of Calgary - Electric System.

 I helped perform depreciation studies for the following pipeline companies: TransCanada Pipelines Limited, Trans Mountain Pipe Line Company Ltd., Interprovincial Pipe Line Inc., Nova Gas Transmission Limited and Lakehead Pipeline Company.

 I helped perform depreciation studies for the following gas utility companies: Columbia Gas of Pennsylvania, Columbia Gas of Maryland, The Peoples Natural Gas Company, T. W. Phillips Gas & Oil Company, CG&E, ULH&P, Lawrenceburg Gas Company and Penn Fuel Gas, Inc.

 I helped perform depreciation studies for the following water utility companies: Indiana-American Water Company, Consumers Pennsylvania Water Company and The York Water Company; and depreciation and original cost studies for Philadelphia Suburban Water Company and Pennsylvania-American Water Company.

 In each of the above studies, I assembled and analyzed historical and simulated data, performed field reviews, developed preliminary estimates of service life and net salvage, calculated annual depreciation, and prepared reports for submission to state public utility commissions or federal regulatory agencies. I performed these studies under the general direction of William M. Stout, P.E.

 In January, 1996, I was assigned to the position of Supervisor of Depreciation Studies. In July, 1999, I was promoted to the position of Manager, Depreciation and Valuation Studies. In December, 2000, I was promoted to the position as Vice-President of Gannett Fleming Valuation and Rate Consultants, Inc. and in April 2012, I was promoted to my present position as Senior Vice President of the Valuation and Rate Division of Gannett Fleming Inc. In my current position I am responsible for conducting all depreciation, valuation and original cost studies, including the preparation of final exhibits and responses to data requests for submission to the appropriate regulatory bodies.

 Since January 1996, I have conducted depreciation studies similar to those previously listed, including assignments for Pennsylvania-American Water Company; Aqua Pennsylvania; Kentucky-American Water Company; Virginia-American Water Company; Indiana-American Water Company; Hampton Water Works Company; Omaha Public Power District; Enbridge Pipe Line Company; Inc.; Columbia Gas of Virginia, Inc.; Virginia Natural Gas Company; National Fuel Gas Distribution Corporation - New York and Pennsylvania Divisions; The City of Bethlehem - Bureau of Water; The City of Coatesville Authority; The City of Lancaster - Bureau of Water; Peoples Energy Corporation; The York Water Company; Public Service Company of Colorado; Enbridge Pipelines; Enbridge Gas Distribution, Inc.; Reliant Energy-HLP; Massachusetts-American Water Company; St. Louis County Water Company; Missouri-American Water Company; Chugach Electric Association; Alliant Energy; Oklahoma Gas & Electric Company; Nevada Power Company; Dominion Virginia Power; NUI - Virginia Gas Companies; Pacific Gas & Electric Company; PSI Energy; NUI -Elizabethtown Gas Company; Cinergy Corporation - CG&E; Cinergy Corporation – ULH&P; Columbia Gas of Kentucky; South Carolina Electric & Gas Company; Idaho Power Company; El Paso Electric Company; Central Hudson Gas & Electric; Centennial Pipeline Company; CenterPoint Energy-Arkansas; CenterPoint Energy – Oklahoma; CenterPoint Energy – Entex; CenterPoint Energy - Louisiana; NSTAR – Boston Edison Company; Westar Energy, Inc.; United Water Pennsylvania; PPL Electric Utilities; PPL Gas Utilities; Wisconsin Power & Light Company; TransAlaska Pipeline; Avista Corporation; Northwest Natural Gas; Allegheny Energy Supply, Inc.; Public Service Company of North Carolina; South Jersey Gas Company; Duquesne Light Company; MidAmerican Energy Company; Laclede Gas; Duke Energy Company; E.ON U.S. Services Inc.; Elkton Gas Services; Anchorage Water and Wastewater Utility; Kansas City Power and Light; Duke Energy North Carolina; Duke Energy South Carolina; Duke Energy Ohio Gas; Duke Energy Kentucky; Duke Energy Indiana; Northern Indiana Public Service Company; Tennessee-American Water Company; Columbia Gas of Maryland; Bonneville Power Administration; NSTAR Electric and Gas Company; EPCOR Distribution, Inc.; B. C. Gas Utility, Ltd; Entergy Arkansas; Entergy Texas; Entergy Mississippi; Entergy Louisiana, Entergy Gulf States Louisiana, the Borough of Hanover, Madison Gas and Electric, Atlantic City Electric and Greater Missouri Operations. My additional duties include determining final life and salvage estimates, conducting field reviews, presenting recommended depreciation rates to management for its consideration and supporting such rates before regulatory bodies.

**Q. Have you submitted testimony to any state utility commission on the subject of utility plant depreciation?**

A. Yes. I have submitted testimony to the Pennsylvania Public Utility Commission; the Commonwealth of Kentucky Public Service Commission; the Public Utilities Commission of Ohio; the Nevada Public Utility Commission; the Public Utilities Board of New Jersey; the Missouri Public Service Commission; the Massachusetts Department of Telecommunications and Energy; the Alberta Energy & Utility Board; the Idaho Public Utility Commission; the Louisiana Public Service Commission; the State Corporation Commission of Kansas; the Oklahoma Corporate Commission; the Public Service Commission of South Carolina; the Railroad Commission of Texas – Gas Services Division; the New York Public Service Commission; the Illinois Commerce Commission; the Indiana Utility Regulatory Commission; the California Public Utilities Commission; the Federal Energy Regulatory Commission (“FERC”); the Arkansas Public Service Commission; the Public Utility Commission of Texas; the Maryland Public Service Commission; the Washington Utilities and Transportation Commission; the Tennessee Regulatory Commission; the District of Columbia Public Service Commission; the Mississippi Public Service Commission; the Regulatory Commission of Alaska; Delaware Public Service Commission; Virginia State Corporation Commission; Colorado Public Utility Commission; Oregon Public Utility Commission; Wisconsin Public Service Commission; and the North Carolina Utilities Commission. The list of cases in which I have submitted testimony is attached to this exhibit.

**Q. Have you had any additional education relating to utility plant depreciation?**

A. Yes. I have completed the following courses conducted by Depreciation Programs, Inc.: “Techniques of Life Analysis,” “Techniques of Salvage and Depreciation Analysis,” “Forecasting Life and Salvage,” “Modeling and Life Analysis Using Simulation,” and “Managing a Depreciation Study.” I have also completed the “Introduction to Public Utility Accounting” program conducted by the American Gas Association.

**Q. Does this conclude your qualification statement?**

A. Yes.

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY

Year Jurisdiction Docket No. Client/Utility Subject

 1. 1998 Pa. PUC R-00984375 City of Bethlehem-Bureau of Water Original Cost and Depreciation

  2. 1998 Pa. PUC R-00984567 City of Lancaster Original Cost and Depreciation

 3. 1999 Pa. PUC R-00994605 The York Water Company Depreciation

 4. 2000 D.T.&E. DTE 00-105 Massachusetts-American Water Company Depreciation

 5. 2001 Pa. PUC R-00016114 City of Lancaster Original Cost and Depreciation

 6. 2001 Pa. PUC R-00016236 The York Water Company Depreciation

 7. 2001 Pa. PUC R-00016339 Pennsylvania-American Water Company Depreciation

 8. 2001 PUC of Ohio 01-1228-GA-AIR Cinergy Corp. - Cincinnati Gas

 and Electric Company Depreciation

 9. 2001 Ky. PSC 2001-092 Cinergy Corp. - Union Light, Heat

 and Power Company Depreciation

10. 2002 Pa. PUC R-00016750 Philadelphia Suburban Water Co. Depreciation

11. 2002 Ky. PSC 2002-00145 Columbia Gas of Kentucky Depreciation

12. 2002 NJ BPU GR02040245 NUI Corporation/Elizabethtown Gas Co. Depreciation

13. 2002 Id. PUC IPC-E-03-7 Idaho Power Company Depreciation

14. 2003 Pa. PUC R-0027975 The York Water Company Depreciation

15. 2003 Ind. URC Cause 42359 Cinergy Corp. - PSI Energy, Inc. Depreciation

16. 2003 Pa. PUC R-00038304 Pennsylvania-American Water Co. Depreciation

17. 2003 Mo. PSC WR-2003-0500 Missouri-American Water Co. Depreciation

18. 2003 FERC ER-03-1274-000 NSTAR - Boston Edison Company Depreciation

19. 2003 NJ BPU BPU 03080683 South Jersey Gas Company Depreciation

20. 2003 Nv. PUC Doc. 03-10001 Nevada Power Company Depreciation

21. 2003 La. PSC U-27676 CenterPoint Energy - Arkla Depreciation

22. 2003 Pa. PUC R-00038805 Pennsylvania Suburban Water Co. Depreciation

23. 2004 Alberta Energy 1306821 EPCOR Distribution, Inc. Depreciation

 & Util. Board

Year Jurisdiction Docket No. Client/Utility Subject

24. 2004 Pa. PUC R-00038168 National Fuel Gas Distribution Corp. (Pa.) Depreciation

25. 2004 Pa. PUC R-00049255 PPL Electric Utilities Depreciation

26. 2004 Pa. PUC R-00049165 The York Water Company Depreciation

27. 2004 Ok. Corp.Cm. PUD 200400187 CenterPoint Energy - Arkla Depreciation

28. 2004 Oh. PUC 04-680-El-AIR Cinergy Corp. - Cincinnati Gas

 and Electric Company Depreciation

29. 2004 RR Comm of Tx. GUD# CenterPoint Energy - Entex

 Gas Svcs. Div. Depreciation

30. 2004 NY PUC 04-G-1047 National Fuel Gas Distribution Corp. (NY) Depreciation

31. 2004 Ark. PSC 04-121-U CenterPoint Energy - Arkla Depreciation

32. 2005 Ill. Comm Cm 05- North Shore Gas Company Depreciation

33. 2005 Ill. Comm. Cm. 05- Peoples Gas Light and Coke Company Depreciation

34. 2005 Ky. PSC 2005-00042 Union Light Heat & Power Depreciation

35. 2005 Ill. Comm Cm. 05-0308 MidAmerican Energy Company Depreciation

36. 2005 Mo. PSC GR-2005 Laclede Gas Company Depreciation

37. 2005 Ks. Corp.Cm. 05-WSEE-981-RTS Westar Energy Depreciation

38. 2005 RR Comm of Tx GUD # CenterPoint Energy - Entex

 Gas Svcs Div. Depreciation

39. 2005 FERC Cinergy Corporation Accounting

40. 2005 Ok. Corp.Cm. PUD 200500151 Oklahoma Gas and Electric Co. Depreciation

41. 2005 Ma. Dept Telcom DTE 05-85 NSTAR

 & Energy Depreciation

42. 2005 NY PUC 05-E-0934/05-G-0935 Central Hudson Gas & Electric Co. Depreciation

43. 2005 AK Reg Cm U-04-102 Chugach Electric Association Depreciation

44. 2005 Ca. PUC A.05-12-002 Pacific Gas & Electric Depreciation

45. 2006 Pa. PUC R-00051030 Aqua Pennsylvania, Inc. Depreciation

46. 2006 Pa. PUC R-00051178 T.W. Phillips Gas and Oil Co. Depreciation

47. 2006 NC Util Cm. Pub. Service Co. of North Carolina Depreciation

48. 2006 Pa. PUC R-00051167 City of Lancaster Depreciation

49. 2006 Pa. PUC Duquesne Light Company Depreciation

50. 2006 Pa. PUC R-00061322 The York Water Company Depreciation

Year Jurisdiction Docket No. Client/Utility Subject

51. 2006 Pa. PUC R-00051298 PPL Gas Utilities Depreciation

52. 2006 PUC of Tx. 32093 CenterPoint Energy - Houston Electric Depreciation

53. 2006 PSC of SC Duke Energy Kentucky Depreciation

 SCANA Depreciation

54. 2006 Ak. Reg Cm U-06-6 Municipal Light and Power Depreciation

55. 2006 De. PSC Delmarva Power and Light Depreciation

56. 2006 In. URC IURC43081 Indiana American Water Co. Depreciation

57. 2006 Ak. Reg Cm U-06-134 Chugach Electric Association Depreciation

58. 2006 Mo PSC WR-2007-0216 Missouri American Water Company Depreciation

59. 2006 FERC ISO5-82, et.al TransAlaska Pipeline Depreciation

60. 2006 Pa PUC R-00061493 National Fuel Gas Distribution Corp. (PA) Depreciation

61. 2007 NC Util Cm E-7 Duke Energy Carolinas, LLC Depreciation

62. 2007 Oh PSC 08-709-EL-AIR Duke Energy Ohio Gas Depreciation

63. 2007 Pa PUC R-00072155 PPL Electric Utilities Corp. Depreciation

64. 2007 Ky PSC 2007-00143 Kentucky American Water Company Depreciation

65. 2007 Pa PUC R-00072229 Pennsylvania American Water Co. Depreciation

66. 2007 Ky PSC 2007-00008 NiSource - Columbia Gas of Kentucky Depreciation

67. 2007 NY PSC 07-G-0141 National Fuel Gas Distribution Corp. (NY) Depreciation

68. 2008 AK PSC U-08-004 Anchorage Water & Wastewater Utility Depreciation

69. 2008 TN Reg Ath 08-00039 Tennessee American Water Company Depreciation

70. 2008 DE PSC 08-96 Artesian Water Company Depreciation

71. 2008 PA PUC R-2008-2023067 The York Water Company Depreciation

72. 2008 KS CC 08-WSEE1-RTS Westar Energy Depreciation

73. 2008 IN URC 43526 Northern Indiana Public Service Co. Depreciation

74. 2008 IN URC 43501 Duke Energy Indiana Depreciation

75. 2008 MD PSC 9159 NiSource - Columbia Gas of Maryland Depreciation

76. 2008 KY PSC 2008-000251 Kentucky Utilities Depreciation

77. 2008 KY PSC 2008-000252 Louisville Gas & Electric Depreciation

78. 2008 PA PUC 2008-2032689 Pennsylvania American Water Co. Depreciation

79. 2008 NY PSC 08-E887/08-G0888 Central Hudson Depreciation

80. 2008 WV TC VE-080416/VG-8080417 Avista Corporation Depreciation

Year Jurisdiction Docket No. Client/Utility Subject

81. 2009 Il CC 09- Peoples Gas, Light and Coke Co. Depreciation

82. 2009 Il CC 09- North Shore Gas Company Depreciation

83. 2009 DC PSC 1053 Potomac Electric Power Company Depreciation

84. 2009 KY PSC 2009-00141 NiSource – Columbia Gas of Kentucky Depreciation

85. 2009 FERC ER08-1056-002 Entergy Services Depreciation

86. 2009 PA PUC R-2009-2097323 Pennsylvania American Water Co. Depreciation

87. 2009 NC Util Cm E-7, Sub 909 Duke Energy Carolinas, LLC Depreciation

88. 2009 KY PSC 2009-00202 Duke Energy Kentucky Depreciation

89. 2009 VA St CCPUE-2009-00059 Aqua Virginia, Inc. Depreciation

90. 2009 PA PUC 2009-2132019 Aqua Pennsylvania, Inc. Depreciation

91. 2009 MS PSC 09- Entergy Mississippi Depreciation

92. 2009 AK PSC 09-084-U Entergy Arkansas Depreciation

93. 2009 TX PUC 37744 Entergy Texas Depreciation

94. 2009 TX PUC 37690 El Paso Electric Co. Depreciation

95. 2009 PA PUC R-2009-2106908 The Borough of Hanover Depreciation

96. 2009 KS Corp Cm 10-KCPE-415-RTS Kansas City Power & Light Depreciation

97. 2009 PA PUC R-2009- United Water Pennsylvania Depreciation

98. 2009 OH PUC Aqua Ohio Water Company. Depreciation

99. 2009 PSC of WI 3270-DU-103 Madison Gas & Electric Co. Depreciation

100. 2009 MO PSC WR-2010 Missouri American Water Co. Depreciation

101. 2009 AK Reg Cm. U-09-097 Chugach Electric Association Depreciation

102. 2010 IN URC Northern Indiana Public Service Co. Depreciation

103. 2010 PSC of WI 6690-DU-104 Wisconsin Public Service Corp. Depreciation

104. 2010 PA PUC R-2010-2161694 PPL Electric Utilities Corp. Depreciation

105. 2010 KY PSC 2010-00036 Kentucky American Water Co. Depreciation

106. 2010 PA PUC R-2009-2149262 Columbia Gas of Pennsylvania Depreciation

107. 2010 MO PSC GR-2010-0171 Laclede Gas Company Depreciation

108. 2010 PSC of SC 2009-489-E South Carolina Electric & Gas Co. Depreciation

109. 2010 NJ Bd of PU ER09080664 Atlantic City Electric Depreciation

110. 2010 VA St. CC PUE-2010-00001 Virginia American Water Company Depreciation

111. 2010 PA PUC R-2010-2157140 The York Water Company Depreciation

Year Jurisdiction Docket No. Client/Utility Subject

112. 2010 MO. PSC ER-2010-0356 Greater Missouri Operations Co. Depreciation

113. 2010 PA PUC R-2010-2167797 T. W. Phillips Gas and Oil Co. Depreciation

114. 2010 PSC SC 2009-489-E SCANA - Electric Depreciation

115. 2010 PA PUC R-2010-2201702 Peoples Natural Gas, LLC Depreciation

116. 2010 AK PSC Oklahoma Gas and Electric Co. Depreciation

117. 2010 IN URC Northern Indiana Public Serv. Co. – NIFL Depreciation

118. 2010 IN URC Northern Indiana Public Serv. Co. – Kokomo Depreciation

119. 2010 PA PUC R-2010-2166212 Pennsylvania American Water Co. – WW Depreciation

120. 2010 NC Util Cm. Aqua North Carolina, Inc. Depreciation

121. 2011 OH PUC 11-4161-WS-AIR Ohio American Water Company Depreciation

122. 2011 MS PSC EC-123-0082-00 Entergy Mississippi Depreciation

123. 2011 CO PUC 11AL-387E Black Hills Colorado Depreciation

124. 2011 PA PUC R-2010-2215623 Columbia Gas of Pennsylvania Depreciation

125. 2011 IN URC 43114 IGCC 4S Duke Energy Indiana Depreciation

126. 2011 FERC IS11-146-000 Enbridge Pipelines (Southern Lights) Depreciation

127. 2011 Il CC 11-0217 MidAmerican Energy Corporation Depreciation

128. 2011 OK CC 201100087 Oklahoma Gas & Electric Co. Depreciation

129. 2011 PA PUC 2011-2232243 Pennsylvania American Water Company Depreciation

130. 2011 FERC Carolina Gas Transmission Depreciation

131. 2012 WA UTC Avista Corporation Depreciation

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 132 | 2012 | AK Reg Cm | U-12-009 | Chugach Electric Association | Depreciation |
| 133 | 2012 | MA PUC | DPU 12-25 | Columbia Gas of Massachusetts | Depreciation |
| 134 | 2012 | TX PUC | 40094 | El Paso Electric Company | Depreciation |
| 135 | 2012 | ID PUC | IPC-E-12 | Idaho Power Company | Depreciation |
| 136 | 2012 | PA PUC | R-2012-2290597 | PPL Electric Utilities | Depreciation |
| 137 | 2012 | PA PUC | R-2012-2311725 | Hanover, Borough of – Bureau of Water | Depreciation |
| 138 | 2012 | KY PSC | 2012-00222 | Louisville Gas and Electric Company | Depreciation |
| 139 | 2012 | KY PSC | 2012-00221 | Kentucky Utilities Company | Depreciation |
| 140 | 2012 | PA PUC | R-2012-2285985 | Peoples Natural Gas Company | Depreciation |
| 141 | 2012 | D.C. PSC | Case 1087 | Potomac Electric Power Company | Depreciation |
| 142 | 2012 | OH PSC | 12-1682-EL-AIR | Duke Energy Ohio (Electric) | Depreciation |
|  | Year | Jurisdiction | Docket No. | Client/Utility | Subject |
|  |  |  |  |  |  |
| 143 | 2012 | OH PSC | 12-1685-GA-AIR | Duke Energy Ohio (Gas) | Depreciation |
| 144 | 2012 | PA PUC | R-2012- | Lancaster, City of – Bureau of Water | Depreciation |
| 145 | 2012 | PA PUC | R-2012-2310366 | Lancaster, City of – Sewer Fund | Depreciation |
| 146 | 2012 | PA PUC | R-2012- | Columbia Gas of Pennsylvania | Depreciation |
| 147 | 2012 | FERC |  | ITC Holdings | Depreciation |
| 148 | 2012 | MO PSC | ER-2012-0174 | Kansas City Power and Light | Depreciation |
| 149 | 2012 | MO PSC | ER-2012-0174 | KCPL Greater Missouri Operations Co. | Depreciation |
| 150 | 2012 | MO PSC | GO-2012-0363 | Laclede Gas Company | Depreciation |
| 151 | 2012 | MN PUC | G007,001/D-12-533 | Integrys – MN Energy Resource Group | Depreciation |