Exhibit No.___(DJM-2)
Docket UE-143932
Witness: David J. Marne

BEFORE THE

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

WALLA WALLA COUNTRY CLUB, Complainant, v. PACIFIC POWER & LIGHT COMPANY, Respondent.	)	DOCKET UE-143932

EXHIBIT NO.___(DJM-2)

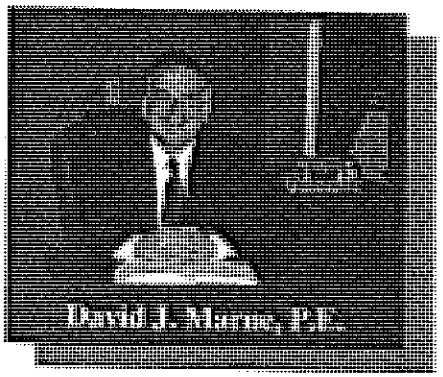
MARNE CURRICULUM VITAE

June 24, 2015

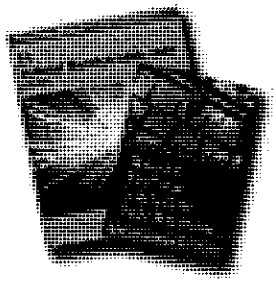
Curriculum Vitae

David J. Marne, P.E.

Marne and Associates, Inc.
619 S.W. Higgins Ave., Suite C
Missoula, MT 59803
Phone: (406) 544-8997
Fax: (406) 549-8952
Email: davem@marneassociates.com
Web: www.marneassociates.com



David J. Marne, P.E. is a registered professional electrical engineer. Mr. Marne is the author of *McGraw-Hill's National Electrical Safety Code® (NESC®) Handbook* and is a nationally recognized speaker on the NESC®. He serves on NESC® Subcommittee 4 Overhead Lines Clearances, Subcommittee 7 Underground Lines, Subcommittee 3 Electric Supply Stations, and the Interpretations Subcommittee. He is company president and senior electrical engineer for Marne and Associates, Inc. in Missoula, Montana where he specializes in National Electrical Safety Code® (NESC®) training, OSHA training for power and communication workers, engineering design training, and expert witness services related to the NESC®, the OSHA Standards for Power and Communication workers, and California's General Order 95, 128, and 165. Mr. Marne has over 30 years of experience in the utility industry engineering and managing transmission and distribution line projects, substation projects, electrical system planning studies, joint use (power and communication) projects, and providing training and expert witness services.



The 2012 National Electrical Safety Code® (NESC®) (above left) and McGraw-Hill's NESC® Handbook authored by David J. Marne, PE (above right)

Education

Montana State University, Bozeman, Montana
Bachelor of Science in Electrical Engineering (BSEE)
Graduation Date: June 1983

Various Continuing Education Courses, 1983-present
Transmission and Distribution Line Design and Staking, Substation Design, System Protection and Coordination, System Over-voltage Design, Engineering and Operations Conferences, Pole Conferences, Joint Use (Power and Communications) Conferences, Electromagnetic Fields (EMF), Corrosion Control, Project Management, Finance and Accounting, OSHA Compliance and Workplace Safety, OSHA 1910.269 Qualified Worker, National Electrical Safety Code® (NESC®) Sub-Committee Meetings, and California General Order 95 (GO95) Rule Making Sessions.

Experience

Transmission and Distribution Line Engineering

Responsible for the engineering management and/or engineering design of over 40 transmission line related projects and over 225 distribution line related projects. Projects have involved a variety of voltage levels, conductor sizes, structure types, terrain types, right-of-way constraints, and environmental issues. Designs for transmission and distribution lines include both overhead and underground circuits (including underwater locations) in both urban and rural settings. Engineering services provided for transmission and distribution engineering projects include planning, cost estimating, design, bidding, construction administration, construction observation, right-of-way, and permitting.

Substation Engineering

Responsible for the engineering management and/or engineering design of over 60 substation related projects. Projects have involved a variety of voltage levels, transformer ratings, bus sizes, structure types, site plans, grounding issues, protection schemes, metering types, communication systems, ownership, and environmental issues. Designs for substations include both live front and dead front equipment in both urban and rural settings. Engineering services for substation projects include planning, cost estimating, design, bidding, construction administration, construction observation, site work, and permitting.

Electrical System Planning Studies

Responsible for the engineering management and/or engineering design of over 95 electrical system planning related studies. Projects have involved a variety of studies including long range plans, construction work plans, sectionalizing and coordination studies, voltage drop studies, fault current studies, motor starting studies, power factor analysis, electromagnetic field (EMF) reports, and environmental studies.

Experience (continued)

Joint Use (Power and Communication) Engineering

Responsible for the engineering management and/or engineering design of over 25 joint use (power and communication) related projects. Projects have involved a variety of power line voltage levels and communication line (phone, CATV, fiber) cable types. Engineering services include calculating and reviewing clearance, and strength and loading issues in accordance with the National Electrical Safety Code® (NESC®) and Joint Use Agreements. Services also include field data gathering, determining make-ready requirements, and field construction observation.

National Electrical Safety Code® (NESC®), OSHA, and California's GO95

Nationally recognized expert on the National Electrical Safety Code® (NESC®). Author of *McGraw-Hill's NESC® Handbook* and presenter of NESC® seminars around the United States. Expert in the Occupational Safety and Health (OSHA) Standards that apply to power and communication utilities including OSHA Standards 1910.269, 1910.268, and 1926.950 through 1926.960. Expert in the California General Orders related to the electrical power and communication utility industries (GO95, GO128, and GO165). Expert in the National Electrical Code® (NEC®) rules that relate to the utility service point. (See Publications and Presentations for additional information.)

Expert Witness Services

Expert witness services and electrical investigations for cases involving power line contacts, electrocution, pole strength and loading, guy wire contacts, lineman work rules, roadway clearances, building clearances, power failure, fires, and electrical service failures resulting in loss of life, injury, and/or property damage. Electrical investigations related to power theft and stray voltage complaints. Electrical investigations related to electromagnetic field (EMF) concerns. Services for defense and plaintiff attorneys and insurance companies. (Expert witness testimony list provided separately).

Management Experience

President and CEO of Marne and Associates, Inc. Responsible for all aspects of corporate management and company direction.

Branch Manager of SSR Engineers, Inc., Missoula, Montana office. Responsibilities included administration, marketing, and engineering. Reported directly to the company president of an 80+ employee firm spread across five offices. Elected to SSR Engineers, Inc. Board of Directors in 1998 and served as a trustee on the Board of Directors until SSR Engineers was purchased by HDR Engineering in 2003.

Department Manager of the Transmission and Distribution (T&D) group of HDR Engineering in Missoula, Montana. Similar management duties as described above in addition to maintaining relationships with other managers and corporate personnel throughout a 3200+ employee firm with over 80 offices.

Work History

Marne and Associates, Inc.

Missoula, Montana 2005-Present
President
President of Marne and Associates, Inc. which provides National Electrical Safety Code® (NESC®) training (public seminars, in-house seminars, and web based training), OSHA training, training aids (software, books, manuals, etc.), accident investigation, expert witness services, and engineering design.

HDR Engineering, Inc.

Missoula, Montana 2003-2005
Transmission and Distribution Department Manager/Senior Electrical Engineer
(HDR Engineering purchased SSR Engineers on 8/1/03)

Department manager and senior electrical engineer in charge of electrical engineering design for electric utility clients and National Electrical Safety Code® (NESC®) presentations.

SSR Engineers, Inc.

Missoula, Montana 1988-2003

Branch Manager/Senior Electrical Engineer

Branch manager and senior electrical engineer in charge of electrical engineering design for electric utility clients and National Electrical Safety Code® (NESC®) presentations.

Project Engineer 1988-1990

(SSR Engineers purchased General Engineers on 3/1/88)

Project electrical engineer involved with electrical power, lighting, and communication projects for utility, industrial, and commercial clients.

General Engineers, Inc.

Missoula, Montana 1985-1988

Design Engineer

Design electrical engineer involved with electrical power, lighting, and communication projects for utility, industrial, and commercial clients.

Mare Island Naval Shipyard

Vallejo, California 1983-1985
Design Engineer
Design electrical engineer involved with electrical power, lighting, and communication projects for the public works department of a naval shipyard.

Presentations

- Applying the National Electrical Safety Code® (NESC®) to Day-to-Day Utility Work
  Presented at various utility companies and utility associations across the United States.
- Applying the National Electrical Safety Code® (NESC®) to Day-to-Day Utility Work – Transmission Voltage Focus
  Presented at various utility companies across the United States.
- Applying the National Electrical Safety Code® (NESC®) to Day-to-Day Utility Work – Substation Focus
  Presented web seminar for utility company substation department.
- National Electrical Safety Code® (NESC®) Rules for Joint Use Construction
  Presented at various utility companies and utility associations across the United States.
- Major Changes and General Overview of the 2012 National Electrical Safety Code® (NESC®)
  Presented at various utility companies and utility associations across the United States.
- Major Changes and General Overview of the 2007 National Electrical Safety Code® (NESC®)
  Presented at various utility companies and utility associations across the United States.
- Major Changes and General Overview of the 2002 National Electrical Safety Code® (NESC®)
  Presented at various utility companies and utility associations across the United States.
- Major Changes and General Overview of the 1997 National Electrical Safety Code® (NESC®)
  Presented at various utility companies and utility associations around the northwest.
- OSHA 1910.269: Electric Power Generation, Transmission and Distribution
  Presented web seminars and provided eLearning for various utility companies across the US.
- OSHA 1910.268: Telecommunications
  Presented web seminars and provided eLearning for various utility companies across the US.
- Distribution Line Design
  Presented web seminars and developed eLearning for various utility companies across the US.
- Arc Flash Hazards and Arc Rated Clothing
  Presented web seminars and developed eLearning for various utility companies across the US.
- NESC and OSHA Rules for Street Light and Traffic Signal Workers (A custom seminar consisting of approximately ½ day of NESC Rules and ½ day of OSHA 1910.269 power lineman standards.)

  Presented for the City of Portland and the City of Seattle.
- CA GO95
  Presentation at California Public Utilities Commission rule making session in San Francisco, CA.
- CA GO95 and the NESC
  Presentation at Western Energy Institute conference in Long Beach, CA and for various in-house classes.

Publications

Marne, David J., *McGraw-Hill's National Electrical Safety Code® (NESC®) 2012 Handbook*, Conforms to the 2012 NESC®, McGraw-Hill Publishing, New York, NY, 2012

Marne, David J., *McGraw-Hill's National Electrical Safety Code® (NESC®) 2007 Handbook*, Conforms to the 2007 NESC®, McGraw-Hill Publishing, New York, NY, 2007

Marne, David J., *McGraw-Hill's National Electrical Safety Code® (NESC®) 2002 Handbook*, Conforms to the 2002 NESC®, McGraw-Hill Publishing, New York, NY, 2002

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Awards

IEEE Senior Engineer Membership Award

SSR Engineers, Inc. 15 year service award

HDR Engineering, Inc. Professional Associates and Pathfinders Award

Professional Affiliations

Institute of Electrical and Electronics Engineers (IEEE), Senior Member Status

IEEE/NESC Subcommittee 1 (General), Subcommittee 3 (Electric Supply Stations), Subcommittee 4 (Overhead Lines- Clearances), Subcommittee 7 (Underground Lines), and the Interpretations Subcommittee

IEEE Power Engineering Society (PES)

National Society of Professional Engineers (NSPE)

Manager of LinkedIn NESC – Power and Communications Group

Manager of LinkedIn GO95, GO128, and GO165 Group

Licensure

Professional Engineer, State of Montana, License Number 9428PE

Professional Engineer, State of Idaho, License Number 6426

Professional Engineer, State of Washington, License Number 39601

Professional Engineer, State of Texas, License Number 1106

Professional Engineer, State of California, License Number E 20771