



Kerry McCalman
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Kerry McCalman has a diverse background in hydropower and renewable energy. Before joining Americas Energy Services, he served as the Senior Advisor for Hydropower for the Bureau of Reclamation, the largest producer of hydropower in the Western United States. Kerry earned his bachelor's degree in Engineering Physics and Mathematics graduating Magna Cum Laude in 1982. He started his career in hydropower as a test engineer for the U.S. Army Corps of Engineers (USACE). In his 29 years in federal hydropower, Kerry has held various levels of engineering, design, construction inspection, facility management, renewable energy permitting and development, and hydropower program management positions in USACE and Reclamation. His specialties include government contracting, regulatory compliance, new energy development, and hydropower operations, maintenance and rehabilitation.

Work Experience

Bureau of Reclamation

November 1998 – April 2016

Senior Advisor, Hydropower

January 2011 – April 2016

Kerry worked as the Senior Advisor, Hydropower for Reclamation, the highest level hydropower position in the agency. He was responsible for the development and oversight of Reclamation's hydropower operation and maintenance program for 53 hydroelectric plants. He was also responsible for the program to comply with the Federal Energy Regulatory Commission (FERC) mandatory bulk electric system Reliability Standards (Standards). He developed an internal audit program that reviewed all five Reclamation Regions to assess their level of compliance and ultimately resolve compliance gaps. He was also the main Reclamation representative for activities under the Department of the Interior (DOI), Department of Energy (DOE), and USACE Renewable Hydropower Memorandum of Understanding (MOU). This MOU was put into place in 2010 to help implement DOI's New Energy Frontier initiative and encourage hydropower and other renewable energy development. While in this position he streamlined Reclamation's hydropower permitting processes, receiving accolades from the hydropower development community and the National Hydropower Association. He also developed Reclamation's renewable hydropower plan, oversaw the completion of a hydropower resource assessments that evaluated the hydropower potential at 530 Reclamation Dams, a study to determine the hydropower development potential of 353 Reclamation canals, and a study to determine the pumped/storage hydropower capacity at 60 Reclamation facilities. These efforts resulted in more than 40 new hydroelectric projects being permitted for installation on Reclamation dams and canals.

Bureau of Reclamation Power Resources Manager

November 2008 – January 2011

Kerry served as the Power Resources Manager for Reclamation. In that capacity, he was responsible for oversight and direction of Reclamation's Power Operations and Maintenance (O&M) Program. This included continued improvement of the Power O&M Review Program that provides for periodic



reviews of the management, operations, electrical, and mechanical maintenance of Reclamation's 53 powerplants. It also included development of the program to comply with the FERC mandatory bulk electric system Reliability Standards, as well as development of Reclamation's renewable energy program. Kerry led Reclamation from having virtually no renewable energy development program to having a viable program in 2011. Several key successes of this program were the development of a Renewable Hydropower MOU with DOI, DOE, and USACE; initiation of a hydropower resource assessment of 530 Reclamation dams; an assessment of Reclamation's existing hydropower facilities to determine the potential for efficiency and capacity improvements; and initiation of an optimization project to ultimately optimize the operations of all Reclamation powerplants.

Upper Colorado Regional Power Manager

August 2005 – November 2008

Kerry served as the Power Manager for the Colorado River Storage Project (CRSP) Power Office in the Upper Colorado Region. This was a dual role, serving as Area Manager for the CRSP Power Office and as Regional Power Manager for all power issues in the region. As Area Manager for the CRSP Power Office, he was responsible for the leadership of employees who operate, maintain, and rehabilitate seven dams, nine federally operated hydroelectric powerplants, and major irrigation projects on the upper Colorado River and its tributaries. As Regional Power Manager, he represented the region with other Federal agencies, state agencies, power utilities, tribal governments, regulatory agencies, and industry groups in matters involving the 20 powerplants (some operated by non-federal entities) in the region. He was heavily involved in the development and implementation of Environmental Impact Statement actions concerning the operations of Glen Canyon Dam and Flaming Gorge Dam. He initiated the NERC/WECC Reliability Compliance program for the Region, improved the facility upgrading and rehabilitation planning process to ensure major capital equipment replacements were prioritized, scheduled, and executed. He was also responsible for the development and administration of Power Contracts for delivery of power to irrigation projects.

Great Plains Regional Power Manager

February 2002 – August 2005

As the Regional Power Manager for the Great Plains Region, Kerry's major duties included providing oversight and leadership in the formulation and execution of policy pertaining to the Regional Power O&M Program, providing technical assistance to area offices, providing oversight and participation in the Regional Power O&M Review Program, and providing oversight of Regional Power Operations. Kerry represented the region with other Federal agencies, state agencies, power utilities, tribal governments, regulatory agencies, and industry groups. Kerry worked with irrigation project users to set irrigation power rates, improve the efficiency of operation of the Region's 21 powerplants, develop regional guidance on powerplant permitting, increase the customer funding for the region, and work on legislation for Reclamation to access power receipts for rehabilitation and O&M projects. A large percentage of time was spent discussing and resolving funding and operational issues with associations representing approximately 340 power and irrigation customers of the region. Kerry provided guidance and support to the regional contracts office on project use power contracts, and administered the transmission service contracts and agreements for project use power in the Pick-

Sloan Missouri Basin Project. His accomplishments included transferring project use power wheeling agreements to Western Area Power Administration to improve administrative and billing efficiencies, securing additional project use power for the Buford-Trenton Irrigation District, and coordinating the project use power rate study and increase for the Pick-Sloan Missouri Basin Project.

Eastern Colorado Operations and Maintenance Manager

June 2000 – February 2002

As the O&M Manager for the Eastern Colorado Area Office, Kerry's major duties were managing, directing, and coordinating the O&M and technical services for ten reservoirs, seven hydroelectric powerplants, two major water diversion projects on the Colorado-Big Thompson and Fryingpan-



Arkansas Projects, and one mine drainage treatment facility at Leadville, Colorado. These facilities included major hydroelectric powerplant equipment; associated high voltage switchyard equipment; radial, slide, and ring-seal gates; water diversion and conveyance facilities; and mine drainage treatment facilities. While at the Eastern Colorado Area Office he focused on developing the plans and processes necessary to improve powerplant reliability, track and execute budgets, improve quality of work, and develop personnel.

Snake River Operations and Maintenance Manager

November 1998 – June 2000

As the O&M/Technical Services Manager for the Snake River Area Office – East, Kerry’s major duties included managing, directing, and coordinating the O&M and technical services for seven reservoirs on the upper Snake River. The facilities included two hydropower plants and associated switchyards, seven dams, various gated flood control and water conveyance facilities, and irrigation facilities serving southern Idaho. Kerry worked with irrigators and canal company representatives to ensure effective and efficient delivery of water. His accomplishments included developing a 5-year O&M plan to ensure necessary maintenance was accomplished and necessary major repairs and replacements were planned and executed and completing the automation of two hydropower plants.

U.S. Army Corps of Engineers

September 1991 – November 1998

Chief, Electrical/Mechanical Maintenance Section

August 1995 – November 1998

As the Chief of the Electrical/ Mechanical Maintenance Section, Operations Division, Kerry’s major duties included planning, scheduling, and coordinating maintenance, repair, replacement, and upgrade of electrical, electronic, and mechanical operating equipment in eight hydroelectric powerplants, five navigation locks, 136 miles of navigation system, and all district dams, levees, and flood control structures. His accomplishments included conversion of the Texoma hydropower plant to remote control operation from the R.S. Kerr master plant, development of long range plans to remote control all of the district’s hydroelectric powerplants, development of a crane inspection and safety training program, and development of a fall protection program. Working with the Tennessee Valley Authority, Southwestern Power Administration, and the Oklahoma Department of Wildlife Conservation, he developed and oversaw the installation of turbine hub baffles on one hydroelectric generator in an effort to improve downstream water quality. This project resulted in significantly increasing downstream oxygen levels, while at the same time keeping project costs under budget.

Chief, Hydropower Branch

January 1994 - August 1995

As Chief of the Hydropower Branch, Kerry was responsible for management, testing, operations, maintenance, and repair of eight hydroelectric powerplants and District-wide microwave and VHF communications systems. He developed and executed the branch’s budget and reviewed hydropower plant budgets. He coordinated O&M activities and generator outages with the power marketing agency. His accomplishments included development of a Cooperative training program for hydroelectric powerplant electricians, mechanics, and operators, and coordinating high voltage electrical safety training for district personnel.

Electrical Engineer

September 1991 - January 1994

As an Electrical Engineer in the Hydropower Branch, he was responsible for planning, designing, implementing, and testing major rehabilitation projects in the District’s hydropower plants. He was responsible for troubleshooting and repair of powerplant equipment. His accomplishments included converting Broken Bow powerplant to remote control operation, installation of high pressure thrust bearing lubrication systems, alignment of four vertical shaft hydro units, replacement of six generator excitation systems with static systems, design and installation of Supervisory Control and Data Acquisition (SCADA) equipment, and installation of partial discharge couplers on two generators.



Electrical Test Engineer

May 1987 - August 1990

As an Electrical Test Engineer for the District's Hydropower Test Crew, Kerry's duties included testing of electrical apparatus, commission testing of new equipment, construction inspection, protective relay testing, hydroelectric generator inspection and testing, and hydraulic turbine governor testing. He also performed SCADA system programming and commissioning. He worked closely with powerplant superintendents and personnel in troubleshooting and repairing major powerplant equipment. His other accomplishments included blackstart of a steam plant using hydropower generators and designing and constructing an automatic programmer for three data logging systems.