

Randall W. Roost

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Professional Experience

(Retired) Principal Planner of Water Operations, Board of Water and Light • Lansing, MI 1986—2020

- Acted as project leader and consultant in performing a variety of engineering duties required for development, proper operation and economic future growth of the raw water supply, water production, water distribution and steam distribution systems.
- Performed planning, development, and supervision as required carrying out to completion any specific planning project within multiple areas of assignment. Data collection, information processing and maintenance of system records required for economic analysis and system studies in conjunction with other departments, divisions, consultants and interconnected utilities.
- Coordinated the development and implementation of computer technologies including hydraulic modeling, SCADA, GIS, and relational databases within the water utility.
- Developed the Water Utility Planning Criteria and Engineering Design Guidelines.
- Performed utility benchmarking and infrastructure assessment plans.
- Developed water distribution master plans for all water utility service areas.
- Developed and monitored load research programs for the water utility and completed assessment of future benefits/impacts on the operation of the utility.
- Chair of the Water Security Team and developer of the Water Utility Emergency Response Plan and Risk and Resilience Study.
- Contract administration for water utility operations in 12 cities and townships, overseeing 300+ contracts and utility agreements.
- Organizational representative and government liaison for water utility operations.
- Performed as a part of multiple new ventures team to conduct economic and technical feasibility analyses for new growth opportunities and new products and services at the local and regional levels.
- Responsible for water cost of service analyses, and water forecasting.
- Developed multiple water reliability studies for regional water systems.
- Developed Board of Water and Light Asset Management Plan,

Education / Training

University of Phoenix • Online Major: M.B.A. Technology Management	2000 - 2002
Michigan State University • East Lansing, MI Major: B.S., Packaging Engineering	1979 - 1981
Lansing Community College • Lansing, MI Major: A.S., Mathematics	1977 - 1979

Non-Academic Accreditations

- FEMA 100, 200, 300, 400, 700 Emergency Management Certified
- S-1 Water Distribution Operator License • State of Michigan
- Credential in Ground Water Science • Ohio State University
- Certified Smallworld GIS Development

Professional Involvement

AWWA Involvement

- C810 Standard on Replacement and Flushing of Lead Service Lines
- G410 Standard on Business Practices for Operation and Management
- Information Management and Technology Committee
- Asset Management Committee
- AWWA Landmark Designation for Dye WCP
- Fuller Award Winner 2016

State of Michigan Involvement

- Lead and Copper Stakeholders Group – MDEQ
- University of Michigan Lead and Copper Rule Advisory Group

Michigan Section AWWA Involvement

- Committees – 75th Anniversary Committee, Asset and Infrastructure Management Committee, Association, Service Nomination Committee, Audit Committee, Communications Council, Computers Users Committee, Council of Past Officers, Customer Service Committee, Education Committee, Faust Award Committee, Fuller Award Committee, Historical Preservation and Archives Committee, Management and Administrative Practices Committee, Michigan WARN Committee, Planning and Strategy Committee, Program Committee, Section Operations Manual Committee, Source Water Protection Committee, Safe Water in Ecuador Committee, Time and Place Committee, Water Use Advisory Council, Water Utility Committee, Water Works News Committee, Youth Education Committee
- Served as Editor of the Water Works News
- Served as the web master for the Section web site
- Served as trustee and Section Chair (2014-2015)
- Faust Award Winner
- Fuller Award Winner 2015

Publications

- AWWA Journal August 2004 – Technology Transformed the Industry
- AWWA Journal December 2011 – Social Media and Online Collaboration Tools Place and Purpose in Committee Work (co-author)
- AWWA Journal September 2015 – J.F. Dye WCP – Conditioning with a WPA Flair
- AWWA Opflow July 2016 – Get the Lead Out (received the 2016 AWWA Publications Award for this article.)

Presentations

- Michigan Community Development Association - Lansing, Michigan
- Michigan Economic Development Association - Lansing, Michigan
- AWWA Computer Users Conference – Norfolk, Virginia
- AWWA Information Management and Customer Service Conference – Detroit, Michigan
- Engaging Local Government Leaders Conference – Golden, Colorado
- Michigan Water Infrastructure Conference – Flint, Michigan
- Michigan Section Conference – Multiple Presentations
- MWEA Utility Management Conference – Frankenmuth, Michigan
- Institute for Public Utilities Michigan State University – East Lansing, Michigan
- Michigan State University Groundwater Conference – East Lansing, Michigan
- AWWA Research Foundation Conference
- EPA Drinking Water Workshops – Cincinnati, Ohio
- Michigan Risk Management Association – East Lansing, Michigan
- American Public Works Association – Traverse City, Michigan
- National Press Club – Washington D.C. Member of the American Water Works Association.