

Matthew J. Duffy, P.E.

Experience Resume

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EDUCATION

MS, Civil Engineering, University of Nevada Las Vegas, 2012
BS, Civil Engineering, Oregon Institute of Technology, 2004

REGISTRATIONS

Professional Engineer, Oregon, United States, No. 74371
Professional Engineer - Civil, Nevada, United States, No. 019485

WORK EXPERIENCE (20 YEARS)

2018 – Present
Tualatin Valley Water District
Beaverton, OR

2017 - 2018
Keller Associates, Inc. - Consultant
Beaverton, OR

2013 - 2017
HDR Inc. - Consultant
Portland, OR

2004 - 2013
HDR Inc. - Consultant
Las Vegas, NV

PROFESSIONAL PUBLICATIONS

Christensen, S., Clark, B., Britch, M., Duffy, M., Bennett, J., (2024). "Avoiding Faults: AC Current Mitigation on a Large Diameter Steel Pipeline – Case Study." American Society of Civil Engineers, Pipelines Conference, Calgary, CA.

Gibson, S., Duffy, M., Pease, M., (2023). "Review of Trenchless Installations at Willamette Water Supply Program." American Society of Civil Engineers, Pipelines Conference, San Antonio, Tx.

ASCE Pipelines Conference July 2018 – Moderator and Technical Paper Reviewer

ASCE Pipelines Conference July 2017 – Moderator and Technical Paper Reviewer

Duffy, M., McPherson, D., Karamanos, S. and Koritsa, E. (2016). "Improving the Performance of Steel Pipe Welded Lap Joints in Geohazard Areas." American Society of Civil Engineers, Pipelines Conference, Kansas City, Mo.

Duffy, M., Wubbena, T., Plattsmier, J., and Nussbaumer, M. (2016). "A Case History of an Emergency Large-Diameter Valve Replacement after Catastrophic Failure on a Major Regional Water Main."

Duffy, M., Britch, M., Wubbena, T., and Plattsmier, J. (2015). "Developing Design Standards for a New Multi-Agency Regional Water Supply System." American Society of Civil Engineers, Pipelines Conference, Baltimore, MD.

EXPERIENCE

I have 20 years of experience as a large diameter pipeline engineer. I am currently the Assistant Engineering and Construction Manager for the \$1.6 Billion Willamette Water Supply Program. This project includes a 120 MGD raw water river intake, water treatment plant, 30 MG terminal reservoir storage and 30-miles of large diameter welded steel pipe with advanced seismic resiliency design. I have been working on this project as a designer and manager for a decade.