

Northwest Washington Subsection
Pacific Northwest Section AWWA

Math for Operators & Reading P&IDs

Training-in-a-Box Workshops

Dates – To Be Determined
Online via PNWS Zoom



American Water Works Association
Pacific Northwest Section
Northwest Washington Subsection

From	To	Elapsed Instruction Time	Topic
Math for Operators			
8:00 AM	8:15 AM		Welcome & Introduction
8:15 AM	9:15 AM	1 hour	Math for Operators Part 1 – Units, operator aids in calculation
9:15 AM	9:30 AM		Break
9:30 AM	10:30	1 hour	Math for Operators Part 2 - Examples
10:30 AM	10:40 AM		Break
10:40 AM	11:40 AM	1 hour	Math for Operators Part 3 – Problem solving
Total Instruction Time		3 hours	
Reading Process & Instrumentation Diagrams			
12:10 PM	1:10 PM	75 Minutes	Introduction to PFDs. P&IDs
1:10 PM	1:15 PM		Break
1:15 PM	2:15 PM	75 minutes	Example P&IDs, symbols, drawing relationships
2:15 PM	2:20 PM		Break
2:20 PM	3:20 PM	30 Minutes	Student Practice developing P&IDs
Total Instruction Time		3 hours	