Pacific Northwest Section
American Water Works Association
Engineering and Water Resources Committees

PNWS- AWWA 2010 Annual Spring Conference
Pre-Conference Seminar Program

PNWS AWWA Engineering and Water Resources Committees Pre-Conference Workshop Tacoma, May 12, 2010 **Aquifer Storage and Recovery** **Applications and Issues in the Pacific Northwest**		
Presentation Topic	**Presenter**	**Time/Duration**
Introduction and Announcements	WRC and Engineering Committee Walt Burt/ GSI Water Solutions, Inc. wburt@gsiwatersolutions.com	8:30/15 minutes
ASR Fundamentals		
ASR Technology Overview and System Development	Phil Brown/Golder Associates pabrown@golder.com	8:45/30 minutes
New Frontiers in ASR Applications	Jeff Barry/GSI Water Solutions, Inc. jbarry@gsiwatersolutions.com	9:15/30 minutes
Break		9:45/15 minutes
Hot Topics in the Pacific Northwest		
Peak Flow Guidance and ASR source water in Oregon	Adam Sussman/GSI Water Solutions, Inc. asussman@gsiwatersolutions.com	10:00/20 minutes
Baker City, Oregon Permit Application Experience	Michelle Owen – City Manager of Baker City mowen@bakercity.com	10:20/20 minutes
Recharge Applications in Idaho	Bill Quinn – Idaho Water Resources Department Bill.Quinn@idwr.idaho.gov	10:40/20 minutes
ASR Implementation Issues in Washington	• Water Quality Requirements for ASR Source Water in Washington - Boise Cascade White Paper - Bryan Black/HDR • Bryan.Black@hdrinc.com • Walla Walla Project –David Banton/Golder David_Banton@golder.com	11:00/60 minutes
Lunch		12:00/60 minutes

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Aquifer Storage and Recovery

Applications and Issues in the Pacific Northwest

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ASR Project Development		
Energy Production and ASR: Microturbines, economics, and permitting. Where we are now and the target for future regulations	Bob Patterson, City of Pendleton bob@ci.pendleton.or.us	1:00/30 minutes
Engineering Considerations	Chris Uber/MSA uberc@msa-ep.com	1:30/30 minutes
Integration of ASR into Water System Operations	Joel Carey/TVWD joel@tvwd.org;	2:00/30 minutes
Break		2:30/15 minutes
ASR System O&M Requirements	Brion Barnett – City of Beaverton: bbarnett@ci.beaverton.or.us	2:45/30 minutes
Regional Applications Joint Water Commission Umatilla Basin USBOR Columbia Basin Groundwater Recharge strategies	 Dave Winship/Niki Iverson dwinship@ci.beaverto.or.us nikii@ci.hillsboro.or.us J.R. Cook jrc@umatilla-city.org Bob Anderson – Golder Bob_Anderson@golder.com	3:15/90 minutes