

# Infrastructure / Retrofit Group



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Blue Ribbon Panel Report

Guy Carpenter

# IRWG - 5 Priority Issues & BRP Ranking

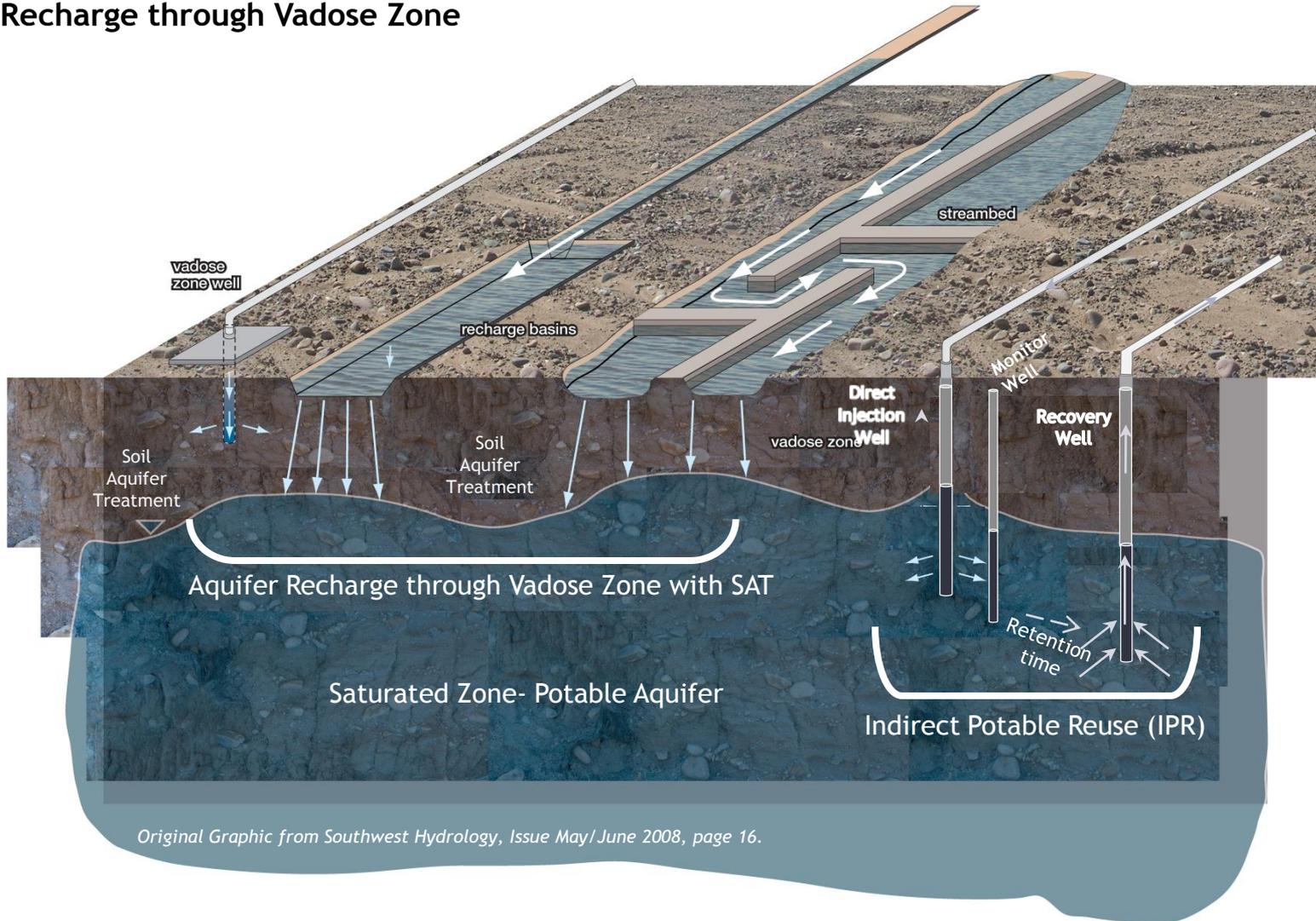
BRP Ranking	Infrastructure/Retrofit Working Group Issue	Team
10	Develop definitions and guidance for Indirect Potable Reuse (IPR) in aquifers in association with drinking water source approval and local and state agency permitting requirements to facilitate a standardized and efficient approach to design, permitting, and operation of such projects.	Gary Gin (leader), Robin Bain, Bill Kenning, Maurice Tatlow, Doug Toy
15	Identify issues and develop approaches to operator training/certification for reclaimed water utility distribution systems to ensure consistent and safe management of this resource and its associated infrastructure. Based upon the analysis, develop recommendations on operator certification for the BRP.	Guy Carpenter (leader), Randy De La Garza, Fred Schneider
21	Compile a matrix of State, regional, and local specifications and infrastructure standards and use it to identify similarities, inconsistencies, and gaps. Use the matrix to develop recommendations to the BRP on a suite of standards that will provide a common foundation of safety and good engineering practice for reclaimed water distribution systems.	Chuck Graf (leader), Dale Lieb, Graham Symmonds, Maurice Tatlow
24	Compile a matrix of O&M best management practices (BMPs) that are applicable to reclaimed water distribution. Use the matrix to develop recommendations to the BRP on a menu of BMPs appropriate for use in Arizona.	No volunteers; a draft matrix has been prepared
34	Coordinate with the Regulations/Permitting Working Group to analyze an array of approaches needed to implement the recommendations of Issues 1, 2, and 3 above in a manner that will eliminate current impediments.	Effort will be incorporated into top 3 white papers

# White Paper Progress

BRP Ranking	Infrastructure/Retrofit Working Group Issue	Progress
10	Develop definitions and guidance for Indirect Potable Reuse (IPR) in aquifers in association with drinking water source approval and local and state agency permitting requirements to facilitate a standardized and efficient approach to design, permitting, and operation of such projects.	75%
15	Identify issues and develop approaches to operator training/certification for reclaimed water utility distribution systems to ensure consistent and safe management of this resource and its associated infrastructure. Based upon the analysis, develop recommendations on operator certification for the BRP.	10%
21	Compile a matrix of State, regional, and local specifications and infrastructure standards and use it to identify similarities, inconsistencies, and gaps. Use the matrix to develop recommendations to the BRP on a suite of standards that will provide a common foundation of safety and good engineering practice for reclaimed water distribution systems.	50%
24	Compile a matrix of O&M best management practices (BMPs) that are applicable to reclaimed water distribution. Use the matrix to develop recommendations to the BRP on a menu of BMPs appropriate for use in Arizona.	10%
34	Coordinate with the Regulations/Permitting Working Group to analyze an array of approaches needed to implement the recommendations of Issues 1, 2, and 3 above in a manner that will eliminate current impediments.	Effort will be incorporated into top 3 white papers

# Indirect Potable Reuse

Figure: Cross-sectional graphic depicting the differences between IPR and Aquifer Recharge through Vadose Zone



Original Graphic from Southwest Hydrology, Issue May/June 2008, page 16.