

7-20-2004

Aquifer Storage and Recovery - An Innovative Water Resources Management Tool

Barry

Follow this and additional works at: http://opensiuc.lib.siu.edu/ucowrconfs_2004

This is the abstract of a presentation given on Tuesday, 20 July 2004, in session 16 of the UCOWR conference.

Recommended Citation

Barry, "Aquifer Storage and Recovery - An Innovative Water Resources Management Tool" (2004). 2004. Paper 78.
http://opensiuc.lib.siu.edu/ucowrconfs_2004/78

This Article is brought to you for free and open access by the Conference Proceedings at OpenSIUC. It has been accepted for inclusion in 2004 by an authorized administrator of OpenSIUC. For more information, please contact opensiuc@lib.siu.edu.

ABSTRACT

Aquifer Storage and Recovery – An Innovative Water Resources Management Tool

Presented by:

**Jeff Barry, R.G., CWRE
Groundwater Solutions, Inc.**

Aquifer Storage and Recovery (ASR) is a relatively new tool being used by municipalities, industry and agriculture throughout the US to provide additional water supplies to meet increasing peak water demands typically during the summer months. ASR is the storage of high quality water underground in a suitable aquifer via an injection well during times when the water is plentiful (typically during the winter) and then recovering the water from the same well during times when it is needed to meet peak summertime demand. ASR provides an opportunity to more effectively manage limited water supplies while minimizing potential adverse impacts to streams that are often over-appropriated in the summer months. Application of ASR technology is increasing particularly because it is typically less than half the cost of other water storage and supply alternatives. ASR is being investigated at over 75 locations across the country and there are approximately 35 operational ASR sites in varying geologic environments. In the Northwest, there are more than 15 ASR projects in development or testing and 4 that are operational. This presentation provides an overview of ASR applications in the Northwest, ASR technical issues, ASR development steps, and the cost to develop ASR.