

## **SAN JACINTO RIVER AUTHORITY – GROUNDWATER REDUCTION PLAN**

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The San Jacinto River Authority's (SJRA) Groundwater Reduction Plan Division is responsible for implementing a countywide groundwater reduction program that will meet the requirements of the Lone Star Groundwater Conservation District and ensure reliable long-term water supplies for all of Montgomery County. While the GRP Division will seek to develop a number of alternative water strategies including conservation and reuse of treated wastewater effluent, the primary strategy is to provide and alternate water supply from Lake Conroe. This surface water strategy will include the design, construction, operation, maintenance, and administration of a water treatment plant and transmission lines that will withdraw raw surface water from Lake Conroe treat it to meet or exceed drinking water standards, and then transmit it to customer cities and utilities within Montgomery County.

The Joint Groundwater Reduction Plan (GRP) representing the interests of 141 participants was submitted by the SJRA in April of 2011 and approved by the Lone Star Groundwater Conservation District on June 14, 2011. The SJRA is implementing the GRP on behalf of the majority of the large volume groundwater users in Montgomery County. The GRP is designed to reduce the consumption of groundwater by 30% in compliance with the requirements of the District Regulatory Plan Phase II (B) under the authority of the Lone Star Groundwater Conservation District.

The GRP proposes to accomplish the reduction in groundwater use by promoting water conservation, implementing drought contingency measures, participating in alternative, cost-effective, alternative water supply and reuse projects, and providing treated surface water from Lake Conroe to a number of its GRP participants. The initial phase of the GRP includes a surface water treatment plant located at the east end of the Lake Conroe dam, as well as pipelines that will deliver surface water to locations throughout Montgomery County.

The presentation discusses groundwater in Montgomery County, the SJRA's role as a regional water supplier and the plan proposed to meet the mandate set out by the Lone Star Groundwater Conservation District.