

II. INTRODUCTION

A. Background

The City of Monett operates a water supply and distribution system that serves approximately 8,700 residential users, 450 commercial establishments, and 10 major industries. Three of the industries currently account for sixty percent of the total system demand.

Water within the City of Monett is supplied by a total of eleven deep wells, however approximately fifty percent of the water is typically delivered to the system by only two of the wells. These two wells, while able to produce large volumes of water, are subject to periodic changes in water quality, wherein the clarity of the water is reduced. When this happens, the wells must be pumped to waste until an acceptable level of clarity returns.

Given the reliance of the City on these two wells, combined with continued growth of the City and the associated demands on the water system, the City contracted with Allgeier, Martin and Associates, Inc. to undertake a detailed evaluation of the water system.

B. Scope

The following comprehensive water system report is intended to represent a working document for the City to utilize in planning future improvements to its water supply, treatment, distribution, and storage system.

The report first assesses current facilities in relation to present demands. Based on an evaluation of past and present water demands, future water demands are projected, and the existing system's ability to meet future demands is analyzed. A review is made of alternatives for resolving deficiencies found in the water supply, storage, and distribution facilities, including the addressing of concerns with the quality of water periodically produced at two of the City's wells. Finally, an action plan is set forth, outlining a schedule of actions necessary to resolve concerns regarding existing water supply wells, and to implement the report's recommendations.