



Location Strategy



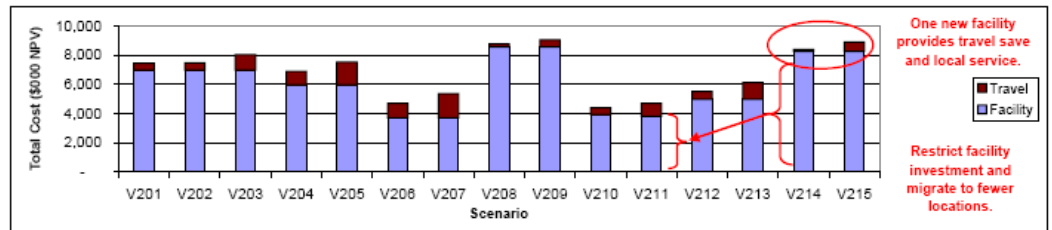
Client Profile

- Water & Wastewater Utility
- 400,000+ Customers
- San Antonio, TX.

Optimum Solution

San Antonio Water System (SAWS) wanted to apply operations research methodology to their service center location planning to ensure that they were optimally located to provide the maximum value to their customers. This required maintaining service levels while optimizing the combined travel and property costs.

Alternative growth and acquisition scenarios were considered with analysis of five different field groups to find the optimum locations. Special consideration was used to ensure rapid response to sewer issues in the highly sensitive aquifer recharge areas while remaining outside these areas with development to minimize pollution potential. Then alternative property configurations were evaluated with respect to field crews, fleet maintenance, and material supply operations.



PRES Location Strategies

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Results

The recommended Facility Plan was advanced by the Corporate Initiatives section of SAWS as an opportunity for net savings of about \$800,000 while updating their service center facilities for more efficient operations. Additional benefits to include improved response time and reduction in travel-related fuel consumption. Most of the travel cost savings was related to unanticipated opportunities to improve their spoil yard operation identified by PRES as part of the systematic evaluation of the service center operation.

