

Project Example – Fort Worth, Texas

- Optimization of the Marine Creek and Big Fossil Capital Improvement Plan.
- Alternatives evaluated include inter-basin transfers, conveyance and wet weather flow control facilities (offline linear transport/storage facilities).
- The objective of the optimization was to evaluate feasible alternatives and identify several low cost solutions to contain the 5-year, 6-hour design storm.
- The primary optimization scenario identified cost savings in the order of \$20 M (20%) when compared to the Baseline Solution.
- Optimization scenarios were completed with and without linear T/S alternatives.
- The least cost solution included two linear T/S facilities that helped to attenuate and disperse peak flows, thereby eliminating downstream conveyance improvements.

