

WATER SYSTEM FACILITIES IMPROVEMENTS

The Water System relies on both surface and ground water supplies. Surface water is taken from Lake Conroe and Lake Houston in the San Jacinto River System and Lake Livingston in the Trinity River System. In aggregate, these supplies are sufficient to meet the City's expected water requirements beyond the year 2035. However, additional water supplies must be developed to meet our long-term needs. In addition, the System continues to shift its supply source from groundwater to surface water in accordance with State mandates

The System delivers treated surface and ground water to customers through a series of storage tanks, pump stations and transmission and distribution mains. This potable water is sold to domestic, commercial, industrial, governmental and other customers in the Houston metropolitan area. Untreated surface water is delivered for sale to governmental, industrial and agricultural customers.

The Water System Capital Improvements Program continues to focus on neighborhood renewal by replacing old, unreliable water lines along with upgrading/improving the City's water transmission and treatment system to meet the demands of new growth and to replace an aging infrastructure.

Major capital projects to be undertaken in FY2005 include the following:

- Expansion and improvement of the East Water Purification Plant
- Providing water service to areas not previously served by the City.
- Construction of surface water transmission lines to provide a reliable surface water supply to north Houston.

- Initiate the purchase and installation of automated meter reading system.
- Installation of fire hydrants on undersized water lines to increase fire protection.
- Increase security of water treatment plants and water supply sources to meet the Federal Vulnerability Assessment Requirements.
- Rehabilitation of Large Diameter Water Transmission Lines.
- Continued replacement of neighborhood water mains to improve customer service, water quality, system reliability and assure compliance with TCEQ regulations (\$35.1 million proposed in FY2005).