

## 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. 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 Improvement 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 FY2003 include the following:

- Expansion and improvement of East and Southeast Water Purification plants
- Replacement water mains in Neighborhood Areas
- Replacement of old water mains in conjunction with METRO downtown projects

- Providing water service to areas not previously served by the City
- Acceleration of the Surface Water Transmission Program to meet subsidence requirements and provide a reliable water supply to north and west areas of Houston
- Complete the purchase and installation of automated meter reading system
- Rehabilitation of ground water facilities including wells, tanks and pump stations to meet requirements of the TNRCC rules and regulations
- Expansion of existing pumping to accommodate surface water conversion and increased water demand.

**Various terms used in the CIP are defined in the appendix.**