

The logo features a light blue outline of the state of Georgia on the left. To its right, the text "Georgia's" is in a smaller blue font, and "State Water Plan" is in a larger, bold blue font. A horizontal blue brushstroke underline extends from the bottom of the text across the page.

Georgia's State Water Plan

Energy Forecast Council Meeting 4 Pre-Meeting Information

As provided in the regional planning guidance, forecasts of future water and wastewater demand are being developed for each water planning region for four major water use categories: municipal, industrial, agricultural, and energy. The sum of the forecast for each water use category yields the total demand projection for the water planning region. These forecasts are a vital input to the State Water Planning process, because they determine the future demands against which resources will be compared and management practices will be designed to meet.

An estimation of water needs for future energy production within the state requires:

1. Projecting the future energy needs of the state;
2. Projecting the sources of future energy needs (e.g., coal, gas, biofuels, nuclear, solar, wind, etc.) within the state;
3. Projecting the water requirements of the various energy sources and facility designs within the state (facility design, such as cooling towers system, affects volume of water used to produce energy); and
4. Determining the placement of future energy producing facilities within the state.

EPD is developing procedures to estimate the future water needs for energy generation within the state. Results of this forecast will be available at Council Meeting 5.