

The Cape Fear Public Utility Authority
Capacity Management Program

The Cape Fear Public Utility Authority in cooperation with the Localities shall manage the capacity of each distribution and collection system to ensure an adequate potable water supply and wastewater capacity. The Authority shall be responsible for tracking the available, permitted and allocated capacity for the CFPUA potable water distribution and wastewater collection system.

The Authority's Capacity Management Program has been designed as a planning and engineering tool used to monitor the relationship between plant capacity and population/economic growth and also to (a) readily assess the distribution of capacity within all system components (b) allocate and track allocated capacity (c) provide short and long-range planning assistance for specific development proposals, land use ordinances and land use plans (d) authorize and rescind service allocations.

Assessment of Distribution & Capacity System Components

The Authority shall be responsible to properly assess the distribution & collection system and its components. The authority at a minimum will address the following items: Water production, wastewater treatment capacity, water and wastewater pump station capacity, distribution and collection system capacity.

Tracking Allocated Capacity

The City of Wilmington's Waste Water Treatment Plants (WWTP) & Water Treatment Plant (WTP) have historically tracked water/wastewater flows. The Authority shall use the best possible available historical data from the Water Treatment Plant & Wastewater Treatment Plants to monitor and track existing water/wastewater demand.

The capacity allocation system shall track all new connections and flow projections. In addition modifications to the existing water and wastewater connections due to redevelopment shall be tracked. Each developer shall be required to provide calculations to the Authority based on NCAC-2T flow projections for the basis of allocating flow.

It shall be the policy of the Authority to require payment of appropriate non-refundable System Development Charge (SDC) when flow is allocated at the time of approval of the application for extension of service for the entire development.

Allocated flows will not be considered tributary to the system until a certificate of occupancy (CO) for that development has been issued. When the CO is issued or a water meter is installed for a specific building within or outside the development, the flow will be assumed to be tributary to the water and wastewater system.

Existing customers or new developments not requiring an extension permit will be allocated capacity

after the water meter and/or sewer service is installed and prior to the set of the water meter or start of sewer service. Any capacity allocation request for over 10,000 gpd or defined as a Significant Industrial User, (SIU), will require a downstream certification FTSE 10/98 to be completed and will be tracked.

The authority shall meet any and all Federal & State regulation for reporting and tracking of allocated capacities and distribution and conveyance required.

Planning Assistance for Proposed Development, Land Use Ordinances & Land Use Plans

The 2001 New Hanover and City of Wilmington Wastewater Master Plan and The New Hanover County and City of Wilmington 2007 Wastewater Master Plan Update will be used as the standard for distribution and collection system planning assistance.

The Authority in association with the City and County land use ordinances and adopted land use plans and policies including but not limited to the Wilmington-New Hanover County CAMA Land Use Plan Update, Comprehensive Plan 1997-2010: the Wilmington Future Land Use Plan (FLUP) 2004-2025, Wilmington Vision 2020 Plan for downtown Wilmington and any such ordinances may be amended from time to time.

These comprehensive documents along with existing and anticipated development patterns and water and wastewater master plans shall be used as planning documents to determine future distribution and conveyance needs and prepare annual updates to the Capital Improvement Program (CIP) to accommodate these demands.

Allocation and Rescinding Service

In general the Authority shall allocate water and wastewater capacity at the time payment is received for such allocation and the SDC is paid. The Authority shall have the right to rescind any service allocation under the following criteria:

The criteria shall be (a) the proposed development has not made ^{continuous and} significant progress with a 2 ½ year period from date of approved FTSE 10/07 Flow Tracking/Acceptance for Sewer Permit from the State of North Carolina, Division of Environment and Natural Resources (DENR)-Division of Water Quality (b) The developer and/or permit holder requests in writing that the service allocation be rescinded (C) A mutual agreement is reached between the Authority and the developer and/or permit holder. ~~(D) Upon New Hanover County building permit expiration.~~

The Authority shall continue to monitor this program to continue the development of a successful capacity management program, and shall continue to make changes in the best interest of the Authority.