

Greensboro's Water Shortage Response Plan

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Water Resources

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Water Shortage Response Plan

Water Shortage

- When available supply can't meet health and safety demand without substantial curtailment
- Production, transmission and storage facilities can't meet demand without endangering ability to protect public health and safety

Authorization

- Water shortage determination – Director of Water Resources
- Plan activation – City Manager after Mayor and City Council notification

Notification

- Press Release, Web Site Posting and Executive Order
- Plan effective 24 hours after EO and public notice
- Stage of water restriction declared by the City Manager
- Stage remains in effect at least 30 days
- Water Resources Director determines percentage of reservoir storage remaining every 7 days

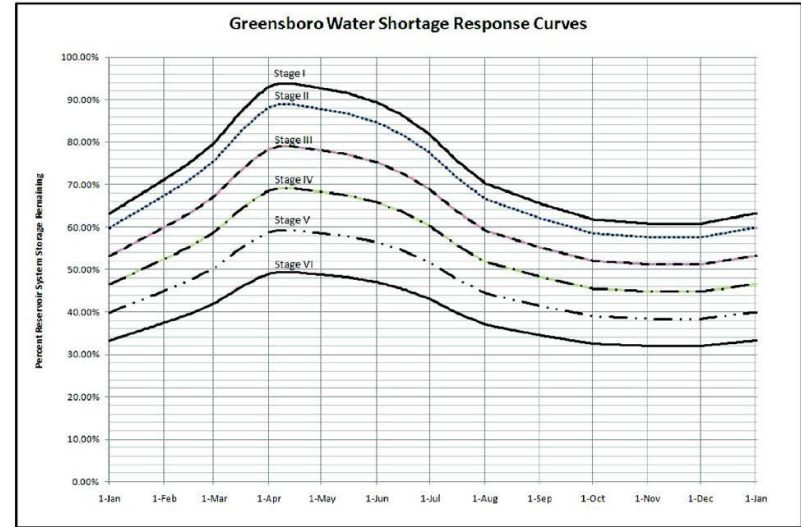


Lake Higgins Marina - 2007 Drought

Water Shortage Severity

Restrictions and Reservoir Storage

- Severity of water shortage determined primarily by Greensboro Water Shortage Response Curve
 - Additional factors – weather, temperatures and water demand
- Stage I – Voluntary restrictions
 - Conservation measures strongly encouraged
- Stage II – Mandatory restrictions
 - Restriction on lawn watering to one day per week
 - Water usage mandate (i.e. reduction) on golf courses and playing fields
 - Excess use water rates apply for those who exceed allotments
 - Stage I restrictions remain voluntary



Water Shortage Severity Cont.

Stage Restrictions

- Stage III – Mandatory restrictions
 - Additional restrictions on lawn watering to hand-held hose, drip irrigation or container
 - Greater water usage mandate (i.e. reduction) on golf courses and playing fields
 - Water served when requested in restaurants
 - Other outside water use restrictions
- Stage IV – Mandatory restrictions
 - Restriction on lawn watering to drip irrigation or container or soaker hose
 - Greater water usage mandate (i.e. reduction) on golf courses and playing fields
 - Filling or refilling single-family swimming pool
 - Industrial, manufacturing and commercial enterprise water use reduction goals
- Stage V – Mandatory restrictions
 - State of Emergency
 - Residential customer water use reduction goal of 25% of average usage
 - Water service connection restrictions

Severity, Enforcement, Revision

Stage Restrictions

- Stage VI – Mandatory restrictions
 - Residential customer water use reduction goal of 40% of average usage
 - Food service using disposable plates, utensils, cups and tablecloths
 - Greater water usage mandate on non-residential customers

Enforcement

- Civil penalty citation or action for injunctive relief may be exercised to enforce provisions
- Authority to discontinue service for violation or for uncorrected water leakage

Revision

- Changes are reviewed and approved by City Council
 - At a minimum every 5 years
 - When new conditions affecting water supply and demand exist

Amending Chapter 29.5

Plan Name

- Changed from Emergency Water Conservation and Restriction Plan to Water Shortage Response Plan (WSRP)
 - Consistency with NCDEQ guidelines and nomenclature

Plan Location

- Request for plan to reside outside the City Code of Ordinances as a standalone plan
 - Full alignment with DEQ DWR guidelines, improves ease in accessing, using, and revising the plan
 - Copies to reside with City Clerk and Water Resources (e.g. website)
 - Chapter 29.5 replaced with a statement referencing the standalone plan and the requirement for City Council approval of future changes or modifications.

Questions



Terminus of Haw River (Water)
Transfer Line at Lake Townsend



Lake Townsend Shoreline - 1998
Drought



Lake Townsend Shoreline - 1998 Drought