

## Appendix D: Detailed Summary of Water Conservation Measures in Cape Fear River Basin

| Jurisdiction | Ordinance or Reference                                         | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| Apex         | Code of Ordinances, Chapter 12, Division 5 Sec. 12-101, 12-102 | <ul style="list-style-type: none"> <li>• Mandatory year round odd/even watering schedule. (Exemption provided for new landscape in which owners may obtain a 45-day new landscape permit) <ul style="list-style-type: none"> <li>○ Odd numbered addresses may water on Tuesdays, Thursdays, and Saturdays</li> <li>○ Even numbered addresses may water on Wednesdays, Fridays, and Sundays.</li> <li>○ Hand watering is permitted everyday</li> </ul> </li> <li>• No person is allowed to operate and irrigation system in which: <ul style="list-style-type: none"> <li>○ Allows water to fall on impervious surfaces, such as driveways, roads, sidewalks and/or the like.</li> <li>○ Allows water to accumulate to the extent that it runs off the property being irrigated and onto public streets or property.</li> </ul> </li> <li>• Rain Sensors are required for all automatic irrigation systems. <ul style="list-style-type: none"> <li>○ Rain sensors shall be operated and set so that for every rainfall event the sensors shut off the system after ¼" of rainfall has occurred. They shall also be installed in a position that allows for full rainfall exposure.</li> </ul> </li> <li>• Irrigation surcharge is allowed and shall be computed by a multiplier established by the town council.</li> <li>• Damage to the water distribution system, improper connections, and unauthorized use of the system, without first obtaining permission from the town and paying applicable fees is inadmissible.</li> <li>• Stages of conservation measures in response to water shortage: <ul style="list-style-type: none"> <li>○ Year-round odd/even watering</li> <li>○ To avoid impact of water shortage the town manager will institute stage 1, 2, 3 and rationing by written declaration:</li> </ul> </li> <li>• Stage 1 Water Shortage Condition: (The town shall publicize and request the public to comply with the following conservation measures): <ul style="list-style-type: none"> <li>○ Spray irrigation is limited to once per week.</li> <li>○ Hand-watering is permitted every day. Athletic field irrigation is permitted.</li> <li>○ No new 45-day landscape permits shall be issued. Permits already issued during a stage 1 declaration would continue to be honored until the 45-day period has expired.</li> <li>○ Reuse household water when possible, (within state gray water laws).</li> <li>○ Limit vehicle washing to the minimum.</li> <li>○ Refrain from washing down outside areas such as sidewalks, patios, etc.</li> <li>○ Use shower for bathing rather than bathtub, and limit shower to no more than four minutes.</li> <li>○ Limit flushing of toilets by multiple usages.</li> <li>○ Refrain from leaving faucets running while shaving or while rinsing dishes.</li> <li>○ Limit the use of clothes washers and dishwashers and when used, to operate fully loaded.</li> <li>○ Install water-flow restrictive devices in showerheads.</li> <li>○ Use disposable and biodegradable dishes.</li> <li>○ Install water-saving devices such as bricks, plastics, bottles or commercial units in toilet tanks.</li> <li>○ Limit operation of water-cooled air conditioners</li> </ul> </li> <li>• Stage 2 Water Shortage Condition (Continue recommendations from Stage 1 and the following measures will be mandatory): <ul style="list-style-type: none"> <li>○ Spray irrigation is not allowed. Hand-watering is permitted.</li> <li>○ Filling of newly constructed or drained swimming or wading pools shall require the approval of the public works and utilities director. Makeup water is allowed for maintaining the operation of swimming or wading pools.</li> <li>○ No introducing water into any ornamental fountain, pool or pond or other structure making similar use of water.</li> <li>○ No using water from public or private fire hydrants for any purposes other than fire suppression or other public emergency.</li> <li>○ Watering for dust control or compaction shall require the approval of the public works and utilities director.</li> <li>○ No using water for any unnecessary purpose or intentionally wasting water.</li> </ul> </li> <li>• Stage 3 Water Shortage Condition (All provisions of Stage 1 and 2 apply and in addition the following are mandatory measures): <ul style="list-style-type: none"> <li>○ Spray irrigation is not allowed. Hand-watering is not allowed. The irrigation of athletic fields is not allowed.</li> <li>○ No nonessential use of water for commercial or public use, and the use of single service plates and utensils is encouraged and recommended in restaurants.</li> <li>○ No washing down outside areas such as streets, driveways, service station aprons, parking lots, office buildings, exterior of existing or newly constructed homes or apartments, sidewalks, or patios, or use of water for other similar purposes.</li> </ul> </li> </ul> |

| Jurisdiction    | Ordinance or Reference                                  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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|                 |                                                         | <ul style="list-style-type: none"> <li>○ Washing of vehicles is not permitted.</li> <li>● Emergency/Rationing Stage (All provisions above apply in addition to the following mandatory measures): <ul style="list-style-type: none"> <li>○ No using water outside of structures for any use other than emergencies involving fire. Fire protection will be maintained, but where possible, tank trucks shall use raw water.</li> <li>○ All industrial uses of water are prohibited.</li> <li>○ All other uses of water will be limited to those uses necessary to meet essential health and safety needs of customers.</li> <li>○ No introducing water into swimming pools.</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                 | Apex Unified Development Ordinance (UDO), Article 8.2.2 | <ul style="list-style-type: none"> <li>● Use of Native or Adaptive plant materials is required to further water conservation and to assure the growth and survival of new plantings.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Asheboro</b> | Code of Ordinances, Title V, Section 50.027             | <p>Staged water use restrictions are as follows:</p> <ul style="list-style-type: none"> <li>● Level I (Voluntary): <ul style="list-style-type: none"> <li>○ Watering of lawns, ornamental plants, and gardens should be limited to the hours between 7:00 p.m. and 7:00 a.m.</li> <li>○ Use of water for wash down of outside areas such as driveways, parking lots, and sidewalks should be curtailed.</li> <li>○ Faucets should not be left running while shaving, brushing teeth, or washing dishes.</li> <li>○ The use of clothes and dishwashers should be limited where possible, and these units should be operated with full loads.</li> <li>○ Washing cars and other vehicles should be curtailed to Saturday and Sundays, and hoses should not be left running while washing.</li> <li>○ The use of flow restriction and other water saving devices is encouraged.</li> <li>○ Showers should be used for bathing, and showers should be limited to four minutes or less.</li> <li>○ Filling of pools should be deferred or limited to hours between 7:00 p.m. and 7:00 a.m.</li> </ul> </li> <li>● Level II (Mandatory). <ul style="list-style-type: none"> <li>○ The watering of lawns, ornamental plants, and gardens shall be limited to the hours between 7:00 p.m. and 7:00 a.m.</li> <li>○ The watering of lawns, ornamental plants, and gardens shall not be done except by handheld containers (buckets, jugs, etc.), and no applications for irrigation meters will be accepted or approved.</li> <li>○ With the exception of situations where a wash down of outside areas is necessary due to public health and safety concerns, the residential use of water for wash down of outside areas is prohibited. Commercial pressure washers shall be permitted to continue normal operations. However, the commercial pressure washer owners and/or operators shall ensure that water wastage does not occur.</li> <li>○ Residential washing of cars and other vehicles is prohibited. Automobile retail establishments and commercial automobile washing facilities including those providing handheld washing nozzles shall be permitted to continue normal operations. However, the facility owner/operator shall ensure that water wastage does not occur.</li> <li>○ Restaurants and other food serving establishments shall serve water to patrons only at the request of the patron(s).</li> <li>○ Commercial, industrial and construction operations shall eliminate all possible waste of water. Large scale commercial and industrial operations and construction activities that utilize 20,000 cubic feet or more of water per month shall submit a water reduction compliance plan to achieve 25%, 50%, or 75% water reduction as specified under the Level II water emergency declaration within 14 days of the effective date of the regulations and restrictions specified in the Level II water emergency declaration.</li> <li>○ Above-ground pools, Jacuzzis, and hot tubs having a capacity of 500 gallons or more and all newly constructed or drained in-ground pools shall be filled by permit only. The Water Resources Director or his or her designee shall review applications for such fill permits. The issuance of such a permit may be denied on the basis of the assessment by the Water Resources Director of the severity of the situation.</li> </ul> </li> <li>● Level III (Mandatory). During a declared Level III water emergency, the following mandatory use restrictions shall be in effect for consumers of water from the city water system: <ul style="list-style-type: none"> <li>○ Any form of watering or irrigating lawns, gardens, and/or other plants is prohibited.</li> <li>○ With the exception of situations where the wash down of certain outside areas is necessary due to public health and safety concerns, the use of water for wash down of outside areas is prohibited.</li> </ul> </li> </ul> |

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|                         |                                                       | <ul style="list-style-type: none"> <li>○ With the exception of situations where the washing of certain items is necessary due to public health and safety concerns, the washing of cars, vehicles, and/or other equipment is prohibited.</li> <li>○ Restaurants and other food serving establishments shall utilize single serving utensils and plates in addition to serving water to patrons only at the request of the patron(s).</li> <li>○ Recreational use of potable water, including filling of pools, is prohibited.</li> <li>○ Large scale commercial and industrial water customers and construction activities utilizing 20,000 cubic feet or more of water per month shall achieve mandatory reductions in daily water usage of 25%, 50%, or 75% through whatever means are available. The target reduction percentage shall be determined by the severity of the water emergency and shall be publicly announced as part of the emergency declaration. The Water Resources Director shall determine compliance with the daily usage reduction targets. Variances to this restriction may be granted by the Water Resources Director to public health facilities including, but not limited to, hospitals and nursing homes.</li> <li>○ Drinking water taps or hydrant permits shall be issued or revoked at the discretion of the Water Resources Director</li> <li>○ Unless a bulk water sale is made pursuant to an existing contract, bulk water sales shall be prohibited.</li> <li>● Level IV (Mandatory). During a declared Level IV water emergency, the following mandatory water use restrictions shall be in effect for consumers of water from the city water system: <ul style="list-style-type: none"> <li>○ All use of water for purposes other than the maintenance of public health and safety is prohibited.</li> <li>○ Unless a bulk water sale is made pursuant to an existing contract, bulk water sales shall be prohibited.</li> <li>○ Where the city water system is functional, monthly residential water use shall not exceed 1,200 cubic feet of water at each metered location.</li> <li>○ Where the city water system is not functional, National Guard and emergency services vehicles shall be utilized to distribute water for household use at prearranged locations within the affected area. Usage by individuals shall be limited to those amounts necessary to sustain life through drinking, food preparation, and personal hygiene.</li> <li>○ The compliance plan for industries during Level IV remains the same as Level III or as directed by the State Public Health Officials.</li> </ul> </li> </ul> |
| <b>Brunswick County</b> | Code of Ordinances, Section 1-13, Article V, 1-13-142 | <p>Water emergency response and management. The director or his authorized representative is authorized to declare that a water emergency exists.</p> <ul style="list-style-type: none"> <li>● Stage 1—Water conservation alert. A Stage 1 water shortage emergency may be declared in the event of an immediate water shortage, as so declared by state and/or local officials, or when there are three consecutive days when water demand exceeds 80% of the water production capacity. Water production capacity shall be defined as the maximum volume of water that meets or exceeds state and federal standards that the water treatment process can produce during a 24 hour period. Water production capacity can vary depending on system component reliability and/or raw water conditions. During a declared Stage 1 water shortage emergency the following voluntary water conservation practices shall be encouraged: <ul style="list-style-type: none"> <li>○ Inspect and repair all faulty and defective parts of faucets and toilets. Use shower for bathing rather than bathtub and limit shower to no more than five minutes.</li> <li>○ Do not leave faucets running while shaving, brushing teeth, rising or preparing food.</li> <li>○ Limit the use of clothes washers and dishwashers and when used, operate fully loaded. Operate dishwashers after the peak demand hours of 6:00 p.m. to 10:00 p.m.</li> <li>○ Limit lawn watering to that necessary for plant survival. Water lawns before the peak demand hours of 6:00 a.m. to 10:00 a.m.</li> <li>○ Water shrubbery the minimum required. Water shrubbery before the peak demand hours of 6:00 a.m. to 10:00 a.m.</li> <li>○ Limit vehicle washing to a minimum.</li> <li>○ Do not wash down outside areas such as sidewalks, driveways, patios, etc.</li> <li>○ Install water saving showerheads and other water conservation devices.</li> <li>○ Use disposable and biodegradable dishes where possible.</li> <li>○ Install water saving devices in toilets such as early closing flappers.</li> <li>○ Limit hours of water-cooled air conditioners.</li> <li>○ Do not fill swimming or wading pools.</li> </ul> </li> <li>● Stage 2—Water shortage warning. A Stage 2 water shortage emergency may be declared in the event of an immediate water shortage, as so declared by state and/or local officials, or when there are two consecutive days when water demand exceeds 90% of the water production capacity. Water production capacity shall be defined as the maximum volume of water that meets or exceeds</li> </ul>                                                   |

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|              |                        | <p>state and federal standards that the water treatment process can produce during a twenty-four (24) hour period. Water production capacity can vary depending on system component reliability and/or raw water conditions. During a declared Stage 2 water shortage emergency the following activities shall be prohibited:</p> <ul style="list-style-type: none"> <li>○ Watering lawns, grass, shrubbery, trees, flower and vegetable gardens except by handheld hoses, container, or drip irrigation system. A person who regularly sells plants will be permitted to use water on their commercial stock. A golf course may water their greens. State and county licensed landscape contractors may water any plants by handheld hose or drip irrigation under a written warranty.</li> <li>○ Filling swimming or wading pools, either newly constructed or previously drained. Make up water for pools in operation will be allowed.</li> <li>○ Using water-cooled air conditioners or other equipment, in which cooling water is not recycled, unless there are health or safety concerns.</li> <li>○ Washing any type of mobile equipment including cars, trucks, trailers, boats or airplanes. Any persons involved in a business of washing motor vehicles may continue to operate.</li> <li>○ Washing outside surfaces such as streets, driveways, service station aprons, parking lots or patios.</li> <li>○ Washing the exterior of office buildings, homes, or apartments.</li> <li>○ Using water for any ornamental fountain, pool, pond, etc., unless recycled.</li> <li>○ Serving drinking water in food establishments such as restaurants or cafeterias, unless requested to do so by a customer.</li> <li>○ Using water from a public or private fire hydrant for any reason other than to suppress a fire or other public emergency or as authorized by director or his authorized representative.</li> <li>○ Using water to control or compact dust.</li> <li>○ Intentionally wasting water.</li> <li>○ Commercial and industrial water customers shall achieve mandatory reductions in water usage through whatever means are available. A minimum reduction of 20% shall be the target; however, a greater target reduction percentage may be required depending on the severity of the water shortage emergency. Compliance with the reduction target shall be determined by the director or his authorized representative. Variances to the target reduction may be granted by director or his authorized representative to designated public health facilities.</li> </ul> <p>• Stage 3—Water shortage danger. A Stage 3 water shortage emergencies may be declared in the event of an immediate water shortage, as so declared by state and/or local officials, or when there is one day when water demand exceeds 100% of the water production capacity. Water production capacity shall be defined as the maximum volume of water that meets or exceeds state and federal standards that the water treatment process can produce during a 24 hour period. Water production capacity can vary depending on system component reliability and/or raw water conditions. During a declared Stage 3 water shortage emergency the following activities shall be prohibited, in addition to activities prohibited under Stage 2:</p> <ul style="list-style-type: none"> <li>○ Watering lawns, grass, shrubbery, trees, and flowers.</li> <li>○ Washing motor vehicles at commercial car wash establishments.</li> <li>○ Watering any vegetable garden except by hand held hose, container, or drip irrigation.</li> <li>○ Commercial and industrial water customers shall achieve mandatory reductions in water usage through whatever means are available. A minimum reduction of 50% shall be the target, however a greater target reduction percentage may be required depending on the severity of the water emergency. Compliance with the reduction target shall be determined by the director or his authorized representative. Variances to the target reduction may be granted by the director or his authorized representative to designated public health facilities.</li> <li>○ In the event that the prohibition of the activities listed above is not sufficient to maintain an adequate supply of water for fire protection, all use of water for purposes other than maintenance of public health and safety shall be prohibited.</li> <li>○ Residential water use shall be limited to the amount necessary to sustain life through drinking, food preparation and personal hygiene.</li> </ul> <p>• Compliance plan during Stage 2 and Stage 3 emergencies:</p> <ul style="list-style-type: none"> <li>○ The director or his authorized representative may require that commercial and industrial water customers prepare plans detailing measures to be taken by them to achieve mandatory reductions in daily water usage during Stage 2 and Stage 3 emergencies. Such plans shall be completed within sixty (60) calendar days after receipt of notice to prepare them.</li> </ul> |

| Jurisdiction  | Ordinance or Reference                                             | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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|               |                                                                    | <ul style="list-style-type: none"> <li>Penalties for violation of mandatory restrictions: <ul style="list-style-type: none"> <li>Any user who is found to have failed to comply with any of the mandatory restrictions set forth in these regulations may be fined in accordance with the list of rates and charges currently in force for each violation.</li> </ul> </li> <li>Authority to discontinue service. <ul style="list-style-type: none"> <li>Pursuant to the provisions of this article, water service may be temporarily discontinued for failure to comply with the mandatory restrictions in this article. All applicable penalty fees may be applied in the event of such service suspensions. In the event of continued non-compliance with this article, removal of meter and service will be deemed proper and service will be discontinued and tap fees and account deposits shall be forfeited.</li> <li>Appeals by customers of penalties and termination of service. Any user who receives a penalty and/or has service terminated as a result of violations of the mandatory restrictions in this article may appeal upon notification to the director. The director shall be the final decision maker for appeals and shall transmit a written copy of the final decision by registered or certified mail within three (3) days after notification.</li> <li>Adoption and enforcement of ordinance by public or private water system. Public or private water systems purchasing water from the county shall adopt and enforce this entire article as a condition of water service. Upon declaration of a water shortage emergency, the public or private water systems shall enforce the appropriate water use restrictions for the level of declared emergency.</li> </ul> </li> <li>Termination of restrictions. <ul style="list-style-type: none"> <li>A water emergency declaration will expire when the director or his authorized representative determines that the condition that causes the emergency has abated. The expiration or cancellation of a water shortage emergency declaration shall be promptly and extensively publicized.</li> </ul> </li> </ul> |
|               | Code of Ordinances, Section 1-13, Article V 1-13-143               | <ul style="list-style-type: none"> <li>Reclaimed Water Usage Policy: <ul style="list-style-type: none"> <li>The reclaimed water usage policy is an integral part of the counties overall water conservation program aimed at reducing the demand for potable water used for irrigation.</li> <li>The County may require developments with more than 500 residential units planned for construction and approved for construction after the effective date of this to policy to utilize irrigation systems capable of using reclaimed water to irrigate required common areas.</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|               | Brunswick County Unified Development Ordinance (UDO) Section 6.1.5 | <ul style="list-style-type: none"> <li>Location of plants and design of landscaping, including maintenance, shall be according to sound landscape and horticultural principles. The use of native vegetation and other lower maintenance landscape materials is desired to promote environmental protection, energy efficiency, and water conservation.</li> <li>Landscape plans submitted for approval for the purposes of satisfying the requirements of this Section shall clearly indicate the name, location, and size of vegetation to be installed as well as trees to be preserved.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Burgaw</b> | Code of Ordinances Section 36, Article V, 36-153                   | <p>Compliance required in the event of shortage.</p> <ul style="list-style-type: none"> <li>In the event the mayor issues any such proclamation described in section 36-152, then in that event it shall be unlawful for any person, firm or corporation to use or permit the use of water from the water system within the Town of Burgaw for any of the purposes as hereinafter set forth until such times as this article be amended or repealed, or until the mayor, by public proclamation has declared certain provisions no longer in effect. In exercising this discretionary authority consideration shall be given to the availability of the water supply, water production, water transmission, water storage, available usage, outlook for precipitation, daily water use patterns and availability of water from other sources.</li> <li>In the event of a water shortage, the Town of Burgaw will deal with variance requests on a case by case basis. Variance requests will be in writing and will be reviewed by the water and sewer committee.</li> <li>In light of the many benefits that can be derived by conserving water, all residents, businesses and users of the water supply in the community should follow water conservation practices, regardless of the time of the year or whether or not a water shortage exists. (Ord. No. 2002-21, 8-13-2002; Ord. No. 2010-02, 2-9-2010)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|               | Code of Ordinances Section 36, Article V, 36-154                   | <p>Restrictions applicable for water conservation. The severity of water shortage shall be determined by static water levels within the Town of Burgaw's wells and the restrictive measures in effect at each stage are as follows:</p> <ul style="list-style-type: none"> <li>In the event that the static water level in the town's wells begin to drop to a level which is below what is considered normal and where the well begins to operate for more than 12 hours per 24-hour day for any well a "voluntary restriction phase" may be declared in effect and the following water restrictions imposed:</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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|              |                        | <ul style="list-style-type: none"> <li>○ A publicity campaign will be initiated using public media and specialized methods to inform the public of any impending water shortage. The Town of Burgaw will notify users and system employees by local newspapers, radio, and water bills. Water users and system employees will be notified at the time of shortage, of what will be required and measures to take to assist the town in reducing water usage. The Town of Burgaw will hold a public hearing to review and allow for public comments prior to final plan adoption. Residential conservation measures will be encouraged and recommended including the following: <ul style="list-style-type: none"> <li>○ Use shower for bathing rather than bathtub and limit shower to no more than five (5) minutes.</li> <li>○ Limit flushing of toilets by multiple usages.</li> <li>○ Do not leave faucets running while grooming or rinsing dishes.</li> <li>○ Limit use of clothes washers and dishwashers and when used, operate fully loaded.</li> <li>○ Limit lawn watering to that which is necessary for plants to survive.</li> <li>○ Water shrubbery the minimum required.</li> <li>○ Limit car washing to commercially operated car washes and gas or electric operated pressure washer.</li> <li>○ Do not wash down outside areas such as sidewalks, patios, houses and etc.</li> <li>○ Install water flow restrictive devices in showerheads.</li> <li>○ Use disposable and biodegradable dishes.</li> <li>○ No fundraisers that involve car washes.</li> </ul> </li> <li>○ It is recommended that water supply line pressure reducing valves be set to the minimum necessary for effective operations of fixtures and equipment.</li> <li>○ Conservation in public buildings, schools, etc. is encouraged by reducing pressure at plumbing fixtures, by installation of restricting devices and shutting down on water flow control devices, and by periodic flushing of urinals.</li> <li>○ All residents, business and schools are requested to temporarily delay new landscape work and installation of irrigation meters until water shortage has ended.</li> <li>● In the event that there is an observation of a drastic change in the static water level in the town's wells and where the wells consistently begin to operate for more than 12 hours per 24-hour day for any well a "Mandatory Restriction Phase" shall be declared in effect and the following water restrictions imposed: <ul style="list-style-type: none"> <li>○ To water lawns, grass, shrubbery, trees flower or vegetable gardens except as follows: <ul style="list-style-type: none"> <li>○ Customers located north of the intersection of Wilmington Street and Wright Street, Town of Burgaw may water lawns, grass, shrubbery, trees, and flower and vegetable gardens on Saturday morning between the hours of 6:00 a.m. and 10:00 a.m.</li> <li>○ Customers located south of the intersection of Wilmington Street and Wright Street, Town of Burgaw may water lawns, grass, shrubbery, trees, and flower and vegetable gardens on Sunday morning between the hours of 6:00 a.m. and 10:00 a.m.</li> </ul> </li> <li>○ To fill newly constructed swimming and/or wading pools or refill swimming and/or wading pools that have been drained. A minimal amount of water may be added to maintain continued operation of pools which are in operation at the time of the provisions of a "Mandatory Restriction Phase" are placed into effect.</li> <li>○ To wash automobiles, trucks, boats, motorcycles, four wheelers, trailers or any other type of mobile equipment including commercial washing.</li> <li>○ To wash down outside areas such as streets, driveways, service station aprons, parking lots, office buildings, exteriors of existing or newly constructed homes, apartment or buildings, sidewalks or patios, or to use water for other similar purposes.</li> <li>○ To operate or introduce water into any ornamental fountain, pool or pond or other structure making similar use of water.</li> <li>○ To serve drinking water in restaurants or other food establishments, except upon the request of a patron.</li> <li>○ To use water from public or private fire hydrants for any purpose other than fire suppression or other public emergency.</li> <li>○ To use water for dust control or compaction.</li> <li>○ To use water for any unnecessary purpose or to intentionally waste water.</li> <li>○ To install and use irrigation meters.</li> </ul> </li> <li>● In the event that the wells cannot pump a sufficient quantity of water required for the health, welfare and safety of the citizens of the Town of Burgaw during periods of fire suppression and failure in the town's water distribution system, then an "Emergency Restriction Phase" may be declared and the following water restrictions imposed: <ul style="list-style-type: none"> <li>○ To water or sprinkle any lawn.</li> <li>○ To water any flower or vegetable garden or ornamental shrubs.</li> <li>○ To introduce any water into a swimming pool, wading pool or pond.</li> </ul> </li> </ul> |

| Jurisdiction      | Ordinance or Reference                             | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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|                   |                                                    | <ul style="list-style-type: none"> <li>○ To use water outside a structure for any use other than an emergency involving fire.</li> <li>○ To make any nonessential use of water for commercial or public use.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Burlington</b> | Burgaw Unified Development Ordinance, Section 8-4E | <ul style="list-style-type: none"> <li>• Automotive Detailing Service <ul style="list-style-type: none"> <li>○ All car wash facilities shall be equipped with a water recycling system that conforms to the Town of Burgaw Sewer Ordinance and is approved by the Public Works Director and Wastewater Treatment Plan Supervisor.</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                   | Code of Ordinances Section 40, Article II, 40-10   | <p>Response to water shortage:</p> <ul style="list-style-type: none"> <li>• It shall be the duty of the director of utilities to report to the city manager conditions adversely affecting the city water supply. The manager shall review all relevant and available information, and if deemed necessary, shall recommend that the city council declare water conservation measures contained herein be in full force and effect as necessary. Conditions to be considered include abnormally dry weather conditions, lake water levels below normal for the season, forecasts for persistent drought, failure of treatment processes, piping or equipment, excessive water demand compared to treatment or storage capacity, or declarations by the Governor of North Carolina. If there is a time sensitive emergency (system failure) the highest-ranking official available shall declare a water emergency and require appropriate water conservation measures.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                   | Code of Ordinances Section 40, Article II, 40-11   | <p>Use of raw water:</p> <ul style="list-style-type: none"> <li>• It shall be unlawful for any person to remove water from city-owned reservoirs for any reason. The City of Burlington shall have sole access to the water for purposes of treatment or other official city needs.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                   | Code of Ordinances Section 40, Article II, 40-12   | <p>Water conservation rates:</p> <ul style="list-style-type: none"> <li>• In the event of a prolonged drought with worsening consequences, it shall be at the discretion of the city manager to propose an adjustment to the water rates to help promote water conservation. The water conservation rate can be used to address residential, commercial and/or industrial water consumption by increasing the cost per unit volume according to a published rate schedule. The city manager shall recommend as necessary the adoption by the city council of water conservation rates.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                   | Code of Ordinances Section 40, Article II, 40-13   | <p>Continuing voluntary conservation practices, ongoing:</p> <ul style="list-style-type: none"> <li>• Customers shall be encouraged to observe water conservation measures to reduce the wasting of water as follows: <ul style="list-style-type: none"> <li>○ Check plumbing and toilets for leaks annually, and if necessary, repair.</li> <li>○ Repair leaking faucets whenever they develop.</li> <li>○ Store drinking water in the refrigerator to avoid trying to run it cool at the tap.</li> <li>○ Use shower for bathing or reduce the depth of water used for tub baths.</li> <li>○ Limit showers to four minutes where possible.</li> <li>○ Refrain from running faucets while shaving or rinsing dishes or brushing teeth.</li> <li>○ Install water flow restrictive devices in shower heads.</li> <li>○ Install water-saving devices such as plastic bottles or commercial units in toilet tanks.</li> <li>○ Wash full loads in clothes washers and dishwashers.</li> <li>○ Review water uses and where feasible install recycle systems, particularly commercial and industrial customers.</li> </ul> </li> </ul> <p>Stage I—Voluntary conservation, water alert. Customers shall be encouraged to observe the recommendations for ongoing conservation practices and to increase the level of the conservation effort as follows:</p> <ul style="list-style-type: none"> <li>• Limit the use of clothes washers and dishwashers, and when used, to operate fully loaded.</li> <li>• Reduce the flushing of toilets to the minimum whenever practical.</li> <li>• Limit lawn watering to only when grass shows signs of withering and apply water as slowly as possible to achieve deep penetration.</li> <li>• Limit shrubbery watering to the minimum reusing household water when possible.</li> <li>• Limit car washing to the minimum. Use a hose with a nozzle to control water flow and minimize waste.</li> <li>• Limit wash downs of outside areas such as sidewalks, patios, driveways, or other similar purposes.</li> <li>• Limit hours of operation of water-cooled air conditioners, if possible.</li> <li>• Use disposable dishes and utensils, both for residential and commercial purposes, where feasible.</li> </ul> <p>Stage I Voluntary conservation measures will be implemented based on the level of water in the city reservoirs (75% capacity remaining), abnormally dry conditions, season of the year, long range weather forecast calling for persistent drought, failure of</p> |

| Jurisdiction | Ordinance or Reference | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|              |                        | <p>treatment processes, piping or equipment, excessive water demand compared to treatment or storage capacity, declarations by the Governor of North Carolina, or a combination of these factors.</p> <p>Stage II—Moderate mandatory conservation, established drought. Stage II moderate mandatory conservation measures will be implemented based on the level of water in the city reservoirs (60% capacity remaining), abnormally dry conditions, season of the year, long range weather forecast calling for persistent drought, failure of treatment processes, piping or equipment, excessive water demand compared to treatment or storage capacity, declarations by the Governor of North Carolina, or a combination of these factors. Customers shall be encouraged to observe the recommendations of the continuing voluntary conservation and Stage I Voluntary conservation, and the level of the conservation effort shall be increased to require the following mandatory measures. No person shall:</p> <ul style="list-style-type: none"> <li>• Water lawns, grass, trees, shrubbery, flowers, golf greens or vegetable gardens except between 4:00 p.m. 9:00 p.m. on Wednesday and 7:00 a.m. 12:00 noon on Saturday. The use of well water or private water is the only exception to this rule.</li> <li>• Introduce water into wading pools or swimming pools except to the extent necessary to replenish losses due to evaporation or spillage and maintain operation of chemical feed equipment.</li> <li>• Use water to wash down outside areas such as sidewalks, patios, driveways, or for other similar purposes.</li> <li>• Introduce water into any decorative fountain, pool or pond except where the water is recycled.</li> <li>• Serve water in a restaurant or similar establishment except upon request.</li> <li>• Use water for any unnecessary purpose or intentionally waste water.</li> <li>• Wash the exterior of a motor vehicle or boat (travel or camping trailers) except where 50% or more of the water is recycled, or where a private well water system is used.</li> <li>• Golf courses and institutions owning athletic fields (including artificial surfaces) shall be required to reduce water usage by 50% with watering only permitted between the hours of 10:00 p.m. and 5:00 a.m. Any customer may secure a written license from the city manager or his designee to use water contrary to the Stage II mandatory conservation measures where it can be shown to the manager's satisfaction that use of water pursuant to conditions prescribed by the city manager in the license will result in a 30% or greater saving of water. Any license issued pursuant to this provision: (1) must be in the possession of the licensee whenever water is used contrary to the Stage II mandatory conservations measures; and (2) is subject to amendment or revocation by the city manager at any time for good cause. Businesses with a privilege license for the City of Burlington that use water to maintain their businesses may continue to operate under Stage II.</li> </ul> <p>Stage III—Severe mandatory conservation, prolonged drought. Stage III severe mandatory conservation measures will be implemented based on the level of water in the city reservoirs (45% capacity remaining), abnormally dry conditions, season of the year, long range weather forecast calling for persistent drought, failure of treatment processes, piping or equipment, excessive water demand compared to treatment or storage capacity, declarations by the Governor of North Carolina, or a combination of these factors. Customers shall be encouraged to observe the recommendations of the continuing voluntary conservation and Stage I Voluntary conservation measures and required to continue observing the mandatory requirements in Stage II. The level of the conservation effort shall increase to require the following additional mandatory measures. No person shall:</p> <ul style="list-style-type: none"> <li>• Water lawns, grass, trees, shrubbery, flowers, golf greens or vegetable gardens except by hand-held hose (with shut-off nozzle), container, or drip irrigation system during the hours of 4:00 p.m. 9:00 p.m. on Wednesday and 7:00 a.m. 12:00 noon on Saturday.</li> <li>• No automatic sprinkler system or un-attended watering shall be allowed. The use of well water or private water is the only exception to this rule.</li> <li>• Fill a wading pool or swimming pool or replenish any filled pool except to the minimum essential for operation of chemical feed equipment.</li> <li>• Make non-essential use of water for commercial or public use.</li> <li>• Operate water-cooled air conditioners or equipment that do not recycle cooling water, except when health and safety are adversely affected.</li> <li>• Request industry reduce consumption 10%.</li> </ul> <p>Stage IV—Stringent mandatory conservation, severe water loss. Stage IV stringent mandatory conservation measures will be implemented based on the level of water in the city reservoirs (30% capacity remaining), abnormally dry conditions, season of the year,</p> |

| Jurisdiction | Ordinance or Reference                                   | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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|              |                                                          | <p>long range weather forecast calling for persistent drought, failure of treatment processes, piping or equipment, excessive water demand compared to treatment or storage capacity, declarations by the Governor of North Carolina, or a combination of these factors. Customers shall be encouraged to observe the recommendations of the continuing voluntary conservation and Stage I Voluntary conservation measures and required to continue observing the mandatory requirements in Stages II and III. The level of the conservation effort shall increase to require the following additional mandatory measures: No person shall:</p> <ul style="list-style-type: none"> <li>• Use water outside a structure except in an emergency involving a fire.</li> <li>• Operate evaporative air conditioning units, which recycle water except during the operating hours of the business.</li> <li>• Use water to fill or refill any swimming pool or wading pool.</li> <li>• Wash any motor vehicle, including commercial washing unless a private well is used.</li> <li>• Request industry reduce consumption an additional 25%.</li> <li>• Industries must submit water conservation plans for city review.</li> <li>• In addition to the conservation measures enumerated above customers of eating establishments shall use plates, glasses, cups and eating utensils that are disposable.</li> </ul> <p>Stage V—Rationing. Stage V rationing measures will be implemented based on the level of water in the city reservoirs (15% capacity remaining), abnormally dry conditions, season of the year, long range weather forecast calling for persistent drought, failure of treatment processes, piping or equipment, excessive water demand compared to treatment or storage capacity, declarations by the Governor of North Carolina, or a combination of these factors. Customers shall be encouraged to observe the recommendations of the continuing voluntary conservation and Stage I Voluntary conservation measures and required to continue observing the mandatory requirements of Stages II, III, and IV. The level of the conservation effort shall increase to require the following mandatory measures:</p> <ul style="list-style-type: none"> <li>• Fire protection will be maintained, but where possible, tank trucks shall use raw water.</li> <li>• All industrial uses of water shall be prohibited, with the exception of water for domestic sanitation purposes.</li> <li>• All other uses of water will be limited to those necessary to meet minimum health and safety needs of the customers as determined by the city manager upon consultation with the director of utilities in light of conditions present.</li> <li>• Failure to act in accordance therewith or use of water in any manner or attempt to evade or avoid water-rationing restrictions shall be unlawful.</li> </ul> |
| Cary         | Water Shortage Response Plan (Modified January 21, 2010) | <p><b>Water Shortage Response Stages:</b></p> <p>Before Stage 1 is implemented, the Town will communicate to each customer a summary of the customer's historical water use, their normal Tier 1 indoor water use, and information on how much water can be saved with different water use reduction measures. Non-residential customers who have an approved Drought Contingency Plan must reduce water use during each stage as specified in their plan.</p> <p>Stage 1</p> <ul style="list-style-type: none"> <li>• Spray irrigation using potable water is limited to one (1) day per week for all purposes except the maintenance of athletic fields. No new turf watering exemption permits will be issued and any existing permits for watering periods that begin later than 14 days after the effective date of Stage 1 will be rescinded. Hand watering, drip irrigation, and subsurface irrigation are still allowed. Other outdoor water uses such as pressure washing, car washing, and keeping swimming pools filled are allowed, although customers are strongly encouraged to minimize such uses.</li> </ul> <p>Stage 2</p> <ul style="list-style-type: none"> <li>• Spray irrigation using potable water is not allowed for any purpose except the maintenance of athletic fields. No new turf watering exemption permits will be issued, and any previously issued exemption permits for watering periods that have not expired will be rescinded. Hand watering, drip irrigation, and subsurface irrigation are still allowed. Other outdoor water uses such as pressure washing, car washing, and keeping swimming pools filled are allowed, although customers are strongly encouraged to minimize such uses.</li> </ul> <p>Stage 3</p> <ul style="list-style-type: none"> <li>• No outdoor water use with potable water is allowed, including but not limited to: spray irrigation, hand watering, drip irrigation, and subsurface irrigation, ornamental fountains, car washing, pressure washing, and keeping swimming pools filled. No new turf watering</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

| Jurisdiction | Ordinance or Reference                     | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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|              |                                            | <p>exemption permits will be issued and any previously issued permits for watering periods that have not expired will be rescinded. Firefighting and utility system maintenance are the only allowable outdoor water uses.</p> <ul style="list-style-type: none"> <li>All customers are required to limit their monthly water use to the amount they normally use during the winter within Tier 1. This amount will be provided to each customer by the Public Works and Utilities Department, based on the water use history for their account, well in advance of Stage 3 implementation. For example, if during the winter a residential customer uses 4,000 gallons per month, then 4,000 gallons per month will be their normal Tier 1 indoor water use; if a customer normally uses 6,000 gallons per month in the winter - 5,000 Tier 1 and 1,000 Tier 2 – then their normal Tier 1 indoor water use will be 5,000 gallons per month. The approach will be the same for non-residential customers even though the maximum number of gallons based on the threshold between Tier 1 and Tier 2 varies for individual customers.</li> </ul> <p>Rationing</p> <ul style="list-style-type: none"> <li>In this stage, the goal is to ensure there is drinking water available to protect public health (e.g., health care, drinking water, basic sanitation). Customers are encouraged to use the minimum amount of water needed for public health protection. No outdoor water use with potable water is allowed, including but not limited to: spray irrigation, hand watering, drip irrigation, and subsurface irrigation, ornamental fountains, car washing, pressure washing, and keeping swimming pools filled. As in Stage 3, no new turf watering exemption permits will be issued and any previously issued permits for watering periods that have not expired will be rescinded. Firefighting and utility system maintenance are the only allowable outdoor water uses. All customers are required to reduce their normal Tier 1 indoor water use, calculated as defined above in Stage 3, by 15%.</li> </ul> <p>Water Shortage Response Triggers:</p> <ul style="list-style-type: none"> <li>Stage 1: (Water Shortage Declared) <ul style="list-style-type: none"> <li>Days of supply remaining is 120 days or less</li> </ul> </li> <li>Stage 2: <ul style="list-style-type: none"> <li>Stage 1 has been in place for 28 continuous days</li> <li>AND Days of supply remaining is 90 days or less</li> </ul> </li> <li>Stage 3: <ul style="list-style-type: none"> <li>Days of supply remaining is 60 days or less</li> </ul> </li> <li>Rationing: <ul style="list-style-type: none"> <li>Days of supply remaining is 30 days or less</li> </ul> </li> </ul> |
|              | Integrated Water Resources Management Plan | <p>Existing Cary Water Conservation Program Elements:</p> <ul style="list-style-type: none"> <li>Education: <ul style="list-style-type: none"> <li>Public Education/Beat the Peak Campaign</li> <li>School Based Education Programs</li> <li>Block Leader Program</li> <li>Water Audits</li> </ul> </li> <li>Incentives: <ul style="list-style-type: none"> <li>Toilet Flapper Rebate</li> <li>Rain Barrel</li> <li>Tiered Rate Structure</li> </ul> </li> <li>Regulatory: <ul style="list-style-type: none"> <li>Water Waste Ordinance</li> <li>Rain Sensor Ordinance</li> <li>Alternate Day Watering Ordinance</li> <li>Land Development Ordinance</li> <li>Irrigation Plan Review</li> <li>Separate Irrigation Meters</li> </ul> </li> </ul> <p>Reclaimed Water Incentives:</p> <ul style="list-style-type: none"> <li>Cary currently has a reclaimed water program in place as part of its strategy to manage and plan for future water supply needs. The Town became the first city in the State of North Carolina to pump treated wastewater effluent to homes and businesses for</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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|              |                                                                   | irrigation and cooling. Cary is currently permitted to divert up to 5 million gallons per day (mgd) of treated wastewater effluent to its reuse system.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              | Code of Ordinances<br>Chapter 36,<br>Division 1,<br>Section 36-80 | <p>Water service provided by town includes only alternated day outdoor irrigation:</p> <ul style="list-style-type: none"> <li>• Irrigation of landscape prohibited except in accordance with this section. No person shall use potable water supplied by the town water system to irrigate the landscape on any property except on alternate days assigned to that property for irrigating the landscape. The days of the week on which irrigation of the landscape can take place at a particular property shall be determined by that property's street address. The Town Manager or designee shall develop a Standard Procedure setting forth irrigation days for the various street addresses and other details of alternate day watering. Such Standard Procedure shall be developed, maintained and amended as needed to keep the irrigation days and administration procedures consistent with recommendations from area experts such as the North Carolina Agricultural Extension Service and technological advances.</li> <li>• The use of "reclaimed" or "reused" water, pond water, rainwater and well water or other non-potable water is not governed by this section, nor is the watering of plant material and lawns by use of drip irrigation, watering cans, hand-held hoses, and other hand-held watering tools.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|              | Code of Ordinances<br>Chapter 36,<br>Division 1,<br>Section 36-83 | <p>Water Waste: (Water waste means any of the following)</p> <ul style="list-style-type: none"> <li>• Using town water so that it falls directly onto impervious surfaces to the extent that running water leaves the property and enters gutters, storm drains, ditches, and other conveyances; or</li> <li>• Using town water to the extent that it is allowed to accumulate on the surface of the ground and leave the property and enter gutters, storm drains, ditches, and other conveyances.</li> <li>• Knowingly allow town water to escape through leaks, breaks, or malfunctions within the water user's plumbing or distribution system for any period of time beyond which such a leak or break should reasonably have been repaired or corrected.</li> <li>• Willfully or negligently wasting water in any other manner.</li> </ul> <p>Water waste is prohibited.</p> <ul style="list-style-type: none"> <li>• The utilities director or designee shall identify persons who waste water. Whenever the director finds that any person wastes water, the director may give such person oral or written notice of that fact, with recommendations as to how the wasting of water can be eliminated. Such recommendations might include, but are not limited to, redirection of sprinkler heads, resetting of system timers, addition of devices to prevent water pressure fluctuations, or changes in location of sprinkler systems.</li> <li>• Whenever the director finds that any person repeatedly or flagrantly wastes water, the director may serve upon such person a written notice ("notice of water waste" or "notice"). Such notice shall be served by personal delivery, by mail, or by certified mail, return receipt requested, and shall identify the person and the location at which water is being wasted while watering, shall identify the manner in which the water is being wasted, and shall specify a time within which the wasting of water shall cease. The notice shall also warn that more severe measures (such as imposition of civil penalties or restriction or termination of water service) may be assessed or brought against the person unless the wasting of water ceases within the time provided. The time given to cease wasting water may range from a requirement for immediate compliance to 30 days, depending upon the facts and circumstances of each case. For instance, if a remedy involves moving a portable hose or sprinkler, immediate compliance may be appropriate; if a remedy involves repairing or replacing a sprinkler head, several days may be required; if the remedy involves more extensive or expensive work, up to 30 days may be necessary. If the remedy is affected, there shall be no further action against that person.</li> <li>• Any person who continues to waste water after the period of time specified in the notice for ceasing such activity shall be issued a citation by personal delivery, mail, or certified mail, return receipt requested, and shall be subject to the civil penalty and enforcement procedures specified in subsection (c) below. The civil penalty shall be paid within 30 days of receipt of the citation.</li> </ul> |
|              | Code of Ordinances<br>Chapter 36,<br>Division 1,<br>Section 36-84 | <p>Required installation of rain sensors:</p> <ul style="list-style-type: none"> <li>• New installation: From and after August 14, 1997, rain sensors shall be required on all automatic irrigation systems that will receive town water.</li> <li>• Existing systems: Rain sensors shall be installed on all existing automatic irrigation systems that receive town water on or before May 1, 1998.</li> <li>• Required maintenance: All rain sensors shall be adjusted and set so that they automatically shut off the irrigation system after not more than one-fourth inch of rainfall has occurred. All rain sensors shall be installed according to manufacturer's instructions in a location that will provide full exposure to rainfall such that accuracy of operation is assured and shall be maintained in good working</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

| Jurisdiction   | Ordinance or Reference                                    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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|                |                                                           | <p>condition. No person shall, with the intent of circumventing the purpose of this section, adjust either the rain sensor or irrigation system so that the rain sensor is not able to override and turn off the irrigation system after one-fourth inch of rain has fallen.</p> <ul style="list-style-type: none"> <li>Enforcement: The utilities director or designee shall be responsible for enforcing this section. Whenever the director determines that a violation of this section exists, the director shall issue a written citation identifying the date, location and nature of the violation, the person cited, and specifying the penalty and the date by which the penalty must be paid.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                | Code of Ordinances Sec. 36-206 and Sec. 36-218            | <p>Mandatory use of reclaimed water for irrigation systems:</p> <ul style="list-style-type: none"> <li>It is unlawful to use potable water for irrigation systems 90 days after a property owner or water customer has been notified by the director that reclaimed water is available to a particular property or site.</li> </ul> <p>Conservation of water resources:</p> <ul style="list-style-type: none"> <li>It is the policy of the town of Cary to wisely use natural resources. In addition to all other conservation measures contained in this chapter the town may terminate, suspend or discontinue reclaimed water service if customer usage of reclaimed water varies substantially from the overall loading rates outlined in the customer's application for service.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Clinton</b> | Code of Ordinances Chapter 22, Article VI, Section 22-204 | <p>Water Shortage Response Plan levels of response:</p> <ul style="list-style-type: none"> <li>In Stage 1, Voluntary Reductions, all water users will be asked to reduce their normal water use by 5%. Customer education and outreach programs will encourage water conservation and efficiency measures including: irrigating landscapes a maximum of one inch per week; preventing water waste, runoff and watering impervious surfaces; watering plants deeply to encourage root growth; washing only full loads in clothes and dishwashers; using spring-loaded nozzles on garden hoses; and identifying and repairing all water leaks.</li> <li>In Stage 2, Mandatory Reductions I, all customers are expected to reduce their water use by 10% in comparison to their previous month's water bill. In addition to continuing to encourage all voluntary reduction actions, the following restrictions apply: irrigation is limited to a half-inch per week between 8:00 p.m. and 8:00 a.m.; outdoor use of drinking water for washing impervious surfaces is prohibited; and all testing and training purposes requiring drinking water (e.g. fire protection) will be limited.</li> <li>In Stage 3, Mandatory Reductions II, customers must continue actions from all previous stages and further reduce water use by 20% compared to their previous month's water bill. All nonessential uses of drinking water are banned and garden and landscape irrigation must be reduced to the minimum amount necessary for survival. Additionally, in Stage 3, a drought surcharge of one and five-tenths (1.5) times the normal water rate may be applied.</li> <li>In Stage 4, Emergency Reductions, customers must continue all actions from previous stages and further reduce their water use by 25% compared to their previous month's water bill. A ban on all use of drinking water except to protect public health and safety is implemented and drought surcharges of two times the normal water rate may be applied.</li> <li>In Stage 5, Water Rationing, is to provide drinking water to protect public health (e.g., residences, residential health care facilities and correctional facilities). In Stage 5, all customers are only permitted to use water at the minimum required for public health protection. Firefighting is the only allowable outdoor water use and pickup locations for distributing potable water will be announced according to Clinton's Emergency Response Plan. Drought surcharges of five times the normal water rate may be applied.</li> </ul> |
|                | Code of Ordinances Chapter 22, Article VI, Section 22-205 | <p>Triggers for Clinton's water source (Groundwater):</p> <p>Stage 1:</p> <ul style="list-style-type: none"> <li>Pumping time &gt;10 hrs</li> <li>Twenty (20) percent reduction in seasonal normal distance from static water level and pump intake</li> <li>Twenty (20) percent increase pumping time for same output</li> </ul> <p>Stage 2:</p> <ul style="list-style-type: none"> <li>Pumping time &gt;12 hrs</li> <li>Forty (40) percent reduction in distance from static water level and pump intake</li> <li>Forty (40) percent increase pumping time for same output</li> </ul> <p>Stage 3:</p> <ul style="list-style-type: none"> <li>Pumping time &gt;14 hrs</li> <li>Sixty (60) percent reduction in distance from static water level and pump intake</li> <li>Sixty (60) percent increase pumping time for same output</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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|              |                                                           | <p>Stage 4:</p> <ul style="list-style-type: none"> <li>• Pumping time &gt;20 hrs</li> <li>• Eighty (80) percent reduction in distance from static water level and pump intake</li> </ul> <p>Stage 5:</p> <ul style="list-style-type: none"> <li>• Water level at pump intake elevation</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Durham       | Code of Ordinances Chapter 70, Article VI, Section 70-552 | <p><b>Year-Round Water Efficiency Requirements:</b></p> <p>Mandatory Irrigation Efficiency Requirements-</p> <ul style="list-style-type: none"> <li>• Year-Round Irrigation schedule for spray irrigation systems. <ul style="list-style-type: none"> <li>○ Spray Irrigation. Users shall not operate spray irrigation systems more than three days per week and shall follow the following irrigation schedule: <ul style="list-style-type: none"> <li>• Even-numbered properties may be irrigated only on Sundays, Wednesdays, and/or Fridays.</li> <li>• Odd-numbered properties may be irrigated only on Tuesdays, Thursdays, and/or Saturdays.</li> <li>• Irrigation may not occur between 10:00 a.m. and 6:00 p.m.</li> </ul> </li> <li>○ Exemptions from Year Round Requirements. The restrictions in above shall not apply to the following: <ul style="list-style-type: none"> <li>• Properties using drip irrigation, hand watering, or tree or shrub watering bags.</li> <li>• Watering of containerized plants and commercial plant stock in trade for sale.</li> <li>• Outdoor irrigation necessary to establish newly sodded or seeded lawns or new non-turf plant materials within the first 45 days of planting provided that the customer secures a written license from Director, and prominently displays the license. A limit of two licenses per address per year may be issued, and licenses may be revoked for cause.</li> <li>• Irrigation for a maximum of one day necessary when treatment with an application of chemicals requires immediate watering to preserve an existing landscape or to establish a new landscape, provided that such irrigation does not occur between the hours of 10:00 a.m. and 6:00 p.m.</li> <li>• City water used to control dust or to compact soil when alternate methods are not available.</li> <li>• Visually supervised operation of irrigation systems for short periods of time to check system condition and effectiveness.</li> <li>• City water applied to prevent or abate health, safety, or accident hazards when alternate methods are not available.</li> <li>• City water used for construction or maintenance activities where the application of water is the appropriate methodology and where no other practical alternative exists.</li> <li>• Public purpose athletic fields, recreational fields, and botanical sites operated in compliance with a Water Conservation Plan that has been approved by the Director. The plan must specify the conservation measures and irrigation operating modes to be employed at the site year-round and during successive stages of a declared water shortage.</li> </ul> </li> <li>○ Sensor requirement for new and existing irrigation systems. Users and installers shall not install automatic irrigation systems of any type without a rain or soil moisture sensor that will prevent irrigation during periods of rainfall and when there is sufficient moisture in the ground for plant health and survival. Existing irrigation systems shall install a rain or soil moisture sensor by November 30, 2009.</li> <li>○ Sensor settings. All rain sensors shall be adjusted and set so that they automatically shut off the irrigation system after not more than one-fourth (1/4) inch of rainfall has occurred or an equivalent moisture parameter is reached. All rain sensors shall be installed according to manufacturer's instructions in a location that will provide full exposure to rainfall or appropriate moisture parameter such that accuracy of operation is assured. All rain sensors shall be maintained in good working condition. No person shall adjust either the rain sensor or irrigation system so that the sensor is not able to override and turn off the irrigation system after one-fourth inch of rain has fallen or an equivalent moisture parameter is reached.</li> <li>○ Hand operated equipment. All hoses used for hand watering, vehicle washing, or other allowable outdoor uses shall be equipped with shutoff nozzles.</li> <li>○ System design. All irrigation systems shall be designed, maintained, and operated to prevent, to the extent practicable, water from flowing onto paved or other impervious surfaces.</li> </ul> </li> </ul> |

| Jurisdiction                | Ordinance or Reference                                                       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                                                                              |  |  |                                                                  |                          |                         |                 |      |    |      |                 |      |    |      |                 |      |   |      |                             |     |   |      |
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|                             | Code of Ordinances Chapter 70, Article VI, Section 70-555                    | <p>No User shall:</p> <ul style="list-style-type: none"><li>• Cause or allow run off of City water from landscape areas into adjoining impervious areas, adjacent property, or streets, sidewalks, gutters, stormwater drains, or other paved surfaces as a result of incorrectly directed or maintained sprinklers, irrigation systems, or other application devices, or excessive watering.</li><li>• Cause or allow irrigation while precipitation is falling.</li><li>• Knowingly allow water to escape through leaks, breaks or malfunction within the water user's plumbing or distribution system for any period of time beyond which such a leak or break should reasonably have been repaired or corrected. All leaks, breaks, or malfunctions shall be corrected within 30 days of identification of the source of the leak.</li><li>• Use or allow the use of water or flushing from any public or private fire hydrant for any purpose other than fire suppression, necessary fire hydrant or water distribution system maintenance, public emergency, or with prior approved written exception from the City.</li><li>• Willfully or negligently wastewater in a manner not otherwise prohibited above.</li></ul> <p>The prohibitions listed in the subsections above do not apply to:</p> <ul style="list-style-type: none"><li>• Water waste that occurs prior to June 1, 2009.</li><li>• Flow from firefighting, inspection of fire hydrants, fire training activities, or from similar government activities.</li><li>• Water applied to prevent or abate health, safety, or other hazards when reasonable alternate methods are not available; and</li><li>• Flow resulting from the inspection, operation, or maintenance of a public utility system.</li></ul> |                         |                                                                              |  |  |                                                                  |                          |                         |                 |      |    |      |                 |      |    |      |                 |      |   |      |                             |     |   |      |
|                             | Water Shortage Response Plan                                                 | <p><b>Table 5.1: Water Shortage Response Triggers, based on the probability of reaching the percentage of combined remaining storage in Durham's water supply reservoirs in the forecast horizon.</b></p> <table><tr><th rowspan="2">Stage</th><th colspan="3">Response Triggers: Probability of Reaching Storage Level in Forecast Horizon</th></tr><tr><th>Probability of Reaching Storage Level at End of Forecast Horizon</th><th>Forecast Horizon (weeks)</th><th>Combined Usable Storage</th></tr><tr><td>Move to Stage 1</td><td>30 %</td><td>12</td><td>45 %</td></tr><tr><td>Move to Stage 2</td><td>20 %</td><td>10</td><td>35 %</td></tr><tr><td>Move to Stage 3</td><td>10 %</td><td>8</td><td>25 %</td></tr><tr><td>Move to Stage 4 (Emergency)</td><td>5 %</td><td>4</td><td>15 %</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Stage                   | Response Triggers: Probability of Reaching Storage Level in Forecast Horizon |  |  | Probability of Reaching Storage Level at End of Forecast Horizon | Forecast Horizon (weeks) | Combined Usable Storage | Move to Stage 1 | 30 % | 12 | 45 % | Move to Stage 2 | 20 % | 10 | 35 % | Move to Stage 3 | 10 % | 8 | 25 % | Move to Stage 4 (Emergency) | 5 % | 4 | 15 % |
| Stage                       | Response Triggers: Probability of Reaching Storage Level in Forecast Horizon |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                         |                                                                              |  |  |                                                                  |                          |                         |                 |      |    |      |                 |      |    |      |                 |      |   |      |                             |     |   |      |
|                             | Probability of Reaching Storage Level at End of Forecast Horizon             | Forecast Horizon (weeks)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Combined Usable Storage |                                                                              |  |  |                                                                  |                          |                         |                 |      |    |      |                 |      |    |      |                 |      |   |      |                             |     |   |      |
| Move to Stage 1             | 30 %                                                                         | 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 45 %                    |                                                                              |  |  |                                                                  |                          |                         |                 |      |    |      |                 |      |    |      |                 |      |   |      |                             |     |   |      |
| Move to Stage 2             | 20 %                                                                         | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 35 %                    |                                                                              |  |  |                                                                  |                          |                         |                 |      |    |      |                 |      |    |      |                 |      |   |      |                             |     |   |      |
| Move to Stage 3             | 10 %                                                                         | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 25 %                    |                                                                              |  |  |                                                                  |                          |                         |                 |      |    |      |                 |      |    |      |                 |      |   |      |                             |     |   |      |
| Move to Stage 4 (Emergency) | 5 %                                                                          | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 15 %                    |                                                                              |  |  |                                                                  |                          |                         |                 |      |    |      |                 |      |    |      |                 |      |   |      |                             |     |   |      |
|                             | Code of Ordinances Chapter 70, Article VI, Section 70-564                    | <p><b>Response to water shortage:</b></p> <ul style="list-style-type: none"><li>• The Director shall report to the City Manager conditions adversely affecting the city water supply that trigger mandatory restrictions prescribed by the City's Water Shortage Response Plan. Upon receiving such report, the City Manager will declare a water shortage to exist and will enact the appropriate stage of water restriction as outlined in the City's Water Shortage Response Plan. The restrictions required under each stage shall be as set forth in this Division. The City Manager or the City Council may terminate any stage of water restriction once the triggers for rescission prescribed by the Water Shortage Response Plan occur. The imposition of drought-related mandatory construction restrictions shall be in accordance with section 70-557 below.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                         |                                                                              |  |  |                                                                  |                          |                         |                 |      |    |      |                 |      |    |      |                 |      |   |      |                             |     |   |      |
|                             | Code of Ordinances Chapter 70, Article VI, Section 70-565                    | <p><b>Water Conservation Plan Requirements for Large Users and Others:</b></p> <ul style="list-style-type: none"><li>• All Users of more than 100,000 gallons per day, or that own Botanical Sites, or Recreational Fields, or Golf Courses, and other Users whose water use is determined by the Director to be unique or amenable to individually determined controls shall have a Water Conservation Plan on file with the Department of Water Management. New Users shall submit such a plan within six months of beginning operation, or within such time period as allowed by the Director. The Plan must specify the conservation measures to be used by the site or sites of the entity during successive stages of a declared water shortage, which measures shall be targeted to achieve the general percentage reductions for each stage as set forth in this Ordinance. For Botanical Sites and Recreational Fields, the Plan must specify the irrigation operating modes to be employed at the site year-round and during successive stages of a declared water shortage. The Director may approve, disapprove, or require modifications to the Plan. An approved plan may vary the</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                         |                                                                              |  |  |                                                                  |                          |                         |                 |      |    |      |                 |      |    |      |                 |      |   |      |                             |     |   |      |

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|              | Code of Ordinances<br>Chapter 70, Article VI,<br>Section 566 | <p>requirements of this Division. The User shall operate in accordance with the approved Plan and shall keep records as required to document compliance with the Plan. Users that do not have an approved Plan are subject to all of the requirements of this Division.</p> <p><b>Mandatory Water Restriction Stages:</b></p> <p><b>Stage 1 Water Shortage.</b> Upon declaration of a stage 1 water shortage, users shall comply with the following measures:</p> <ul style="list-style-type: none"> <li>• Spray Irrigation. Users shall not operate spray irrigation systems more than one day per week as specified by the director and based on the location address. Irrigation may not occur between 10:00 a.m. and 6:00 p.m.</li> <li>• Irrigation Exemptions. The restrictions in (1) above shall not apply to the following: <ul style="list-style-type: none"> <li>○ Properties using drip irrigation, hand watering, or tree or shrub watering bags;</li> <li>○ Watering of containerized plants and commercial plant stock in trade for sale;</li> <li>○ Irrigation for a maximum of one day necessary when treatment with an application of chemicals requires immediate watering to preserve an existing landscape or to establish a new landscape, provided that such irrigation does not occur between the hours of 10:00 a.m. and 6:00 p.m.</li> <li>○ Visually supervised operation of irrigation systems for short periods of time to check system condition and effectiveness;</li> <li>○ Recreational fields, golf courses, and botanical sites operated in compliance with an approved Water Conservation Plan;</li> <li>○ New landscape exemptions granted prior to the declaration of a water shortage. Such exemptions will continue to be honored until the original expiration date of the exemption. No exemptions shall be issued while a water shortage declaration is in effect.</li> <li>○ Properties on which water use is in compliance with an approved Water Conservation Plan.</li> </ul> </li> <li>• Additional Requirements. In addition to the above restrictions, no User shall: <ul style="list-style-type: none"> <li>○ Add water to any decorative fountain, pool or pond except where the water is recycled.</li> <li>○ Serve water in a restaurant or similar establishment except upon request.</li> <li>○ Add water to wading pools or swimming pools except to the extent necessary to replenish losses due to evaporation or spillage and maintain operation of chemical feed equipment.</li> </ul> </li> <li>• Water Consumption Reduction Goal. Users of more than 100,000 gallons a day shall attempt to reduce water consumption by 15% and shall document such efforts. The goal for Stage 1 for Water Conservation Plans submitted by large users and other special users shall be to reduce consumption by 15%.</li> </ul> <p><b>Stage 2 Water Shortage.</b> Upon declaration of a stage 2 water shortage, users shall continue to comply with Stage 1 measures, and the following additional Stage 2 measures, which supplant Stage 1 requirements where they are more restrictive:</p> <ul style="list-style-type: none"> <li>• Spray Irrigation. Spray irrigation of landscapes with city water shall be prohibited.</li> <li>• Irrigation Exemptions. The restrictions above shall not apply to the following: <ul style="list-style-type: none"> <li>○ Properties using drip irrigation, hand watering, or tree or shrub watering bags;</li> <li>○ Watering of containerized plants and commercial plant stock in trade for sale;</li> <li>○ Irrigation for a maximum of one day necessary when treatment with an application of chemicals requires immediate watering to preserve an existing landscape, provided that such irrigation does not occur between the hours of 10:00 a.m. and 6:00 p.m.;</li> <li>○ Visually supervised operation of irrigation systems for short periods of time to check system condition and effectiveness;</li> <li>○ Recreational fields, golf courses, and botanical sites operated in compliance with an approved Water Conservation Plan;</li> <li>○ New landscape exemptions granted prior to the declaration of a water shortage. Such exemptions will continue to be honored until the original expiration date of the exemption. No exemptions shall be issued while a water shortage declaration is in effect.</li> </ul> </li> <li>• Vehicle Washing. Users shall not use city water to wash vehicles, except at a commercial or institutional car wash facility. Commercial or institutional car washes shall be allowed to operate if they comply with the requirements of this ordinance.</li> <li>• Surface Washing. No city water shall be used for cleaning or washing exterior building surfaces, decks, or paved areas, such as sidewalks, driveways, roadways and parking lots. This restriction shall NOT apply to the cleaning of exterior surfaces or decks prior to painting or re-painting, or for any surface where a health or safety issue arises.</li> </ul> |

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|              |                                                           | <ul style="list-style-type: none"> <li>• Water Consumption Reduction Goal. Users of more than 100,000 gallons a day shall attempt to reduce water consumption by 30% from pre-declaration consumption and shall document such efforts. The goal for Stage 2 for Water Conservation Plans submitted by large users and other special users shall be to reduce consumption by 30%.</li> </ul> <p><b>Stage 3 Water Shortage.</b> Upon declaration of a stage 3 water shortage, Users shall continue to comply with Stage 1 and 2 measures, and the following additional Stage 3 measures, which supplant Stage 1 and 2 requirements where they are more restrictive:</p> <ul style="list-style-type: none"> <li>• No city water shall be used for the purpose of irrigation except for watering of containerized plants and commercial plant stock in trade for sale.</li> <li>• No city water shall be used for any other outdoor purpose, except for emergency fire suppression or other activities necessary to maintain public health, safety, or welfare.</li> <li>• The use of city water for heating and/or cooling purposes shall be reduced in all but the most essential facilities to the extent practical in consideration of the indoor air quality standards, weather conditions, and health and safety requirements.</li> <li>• No city water shall be used to wash any motor vehicle except at commercial or institutional car washes that are in compliance with the requirements of this ordinance.</li> <li>• Water Consumption Reduction Goal. Users of more than 100,000 gallons a day shall attempt to reduce water consumption by 50% from pre-declaration consumption and shall document such efforts. The goal for Stage 3 for Water Conservation Plans submitted by large users and other special users shall be to reduce consumption by 50%.</li> </ul> <p>Notwithstanding the restrictions specified in (c), the protection of public health, safety, and welfare may, under special circumstances, require the use of limited amounts of city water. Such uses shall be permitted during declared water shortages, provided that other practical alternatives are not available, and water is used in the least amount practical.</p> <p><b>Stage 4 Water Supply Emergency.</b> Upon declaration of a water supply emergency, users shall continue to comply with Stage 1, 2, and 3 measures, and the following additional Stage 4 measures, which supplant Stage 1, 2 and 3 requirements where they are more restrictive:</p> <ul style="list-style-type: none"> <li>• All outdoor uses of water are prohibited, except for emergency fire suppression or other activities necessary to maintain public health, safety, or welfare.</li> <li>• The use of water for washing or cleaning mobile equipment including automobiles, trucks, boats and fleet vehicles is prohibited.</li> <li>• No user shall add water to decorative fountains, pools, or ponds.</li> <li>• No user shall add water to wading pools or swimming pools, including hot tubs, spas and whirlpool tubs except for health and rehabilitative purposes as prescribed by a medical doctor or administered by a medical facility.</li> <li>• All other uses of water will be limited to those necessary to meet minimum health and safety needs of the customers as determined by the city manager upon consultation with the director in light of conditions present. Water service may be discontinued or reduced to designated users or in designated portions of the city service area in order to preserve the availability of water for essential public health and safety requirements, such as fire protection, hospitals, clinics and other critical community needs.</li> <li>• The city manager may enact additional measures aimed at reducing water use for any users as conditions warrant. Users shall comply with any directives issued by the city manager to this effect.</li> </ul> |
|              | Code of Ordinances Chapter 70, Article VI, Section 70-567 | <p><b>Additional drought-related mandatory construction restrictions.</b></p> <p>Upon receiving a report from the city manager that additional water conservation measures are necessary to adequately address a water shortage, the city council may declare by resolution that an existing water shortage requires imposition of stage 2, 3, or 4 mandatory drought-related construction restrictions. Such action shall be taken separately from the imposition of water conservation stages described in the previous section of this division. The council's resolution may declare one or more stages of mandatory construction restrictions, and may, additionally authorize the city manager to declare subsequent stages of construction restrictions. The city council may modify or terminate any stage of mandatory drought-related constructions restrictions upon determining that the restrictions are no longer necessary, or by resolution may authorize the manager to do the same.</p> <ul style="list-style-type: none"> <li>• Stage 2 Water Shortage: Additional Drought-Related Mandatory Construction Restrictions. The following restrictions shall be in place during the time that stage 2 construction restrictions have been declared, until such are modified or terminated: <ul style="list-style-type: none"> <li>◦ Water lines permitted prior to imposition of stage 2 construction restrictions may be constructed, flushed, and placed into service.</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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|                             |                                                                             | <ul style="list-style-type: none"> <li>o Water lines not permitted prior to imposition of stage 2 construction restrictions may be permitted and constructed, but shall be subject to stage 3 construction restrictions if such are declared prior to lines being flushed and placed into service.</li> <li>o Structures with existing valid building permits that do not expire may be completed, with necessary individual water connections.</li> <li>o Building permits issued after declaration of stage 2 constructions restrictions are subject to stage 3 and/or stage 2 construction restrictions if such are declared prior to the permitting of a water connection or meter installation.</li> <li>o All water used for the flushing of water lines shall be collected and used only as permitted by the city.</li> <li>o Swimming pools, spas, and hot tubs not already in operation shall only be filled with non-city water, and receipts for purchases of such water shall be retained.</li> </ul> <p>Stage 3 Water Shortage: Additional Drought-Related Mandatory Construction Restrictions. The following restrictions shall be added to those in stage 2 above, or, where more exacting, shall supersede those restrictions, during the time that stage 3 construction restrictions are declared, until such as are modified or terminated.</p> <ul style="list-style-type: none"> <li>o Water lines that were not permitted prior to imposition of stage 2 construction restrictions shall not be flushed or placed into service.</li> <li>o Water connections and meter installations shall not be allowed for structures that received building permits after stage 3 construction restrictions were declared.</li> <li>o Permits for the construction or installation of swimming pools, spas, hot tubs including any associated electrical work shall not be issued.</li> <li>o Plans for water lines shall be accepted and reviewed but no permit for extension or construction of a water line shall be issued.</li> <li>o All permits for water line extensions not already under construction shall be suspended.</li> </ul> <ul style="list-style-type: none"> <li>• Stage 4 Water Emergency: Additional Mandatory Construction Restrictions. The following restriction(s) shall be added to those in stages 2 and 3 above, or, where more exacting, shall supersede those restrictions, during the time that stage 4 construction restrictions are declared, until such are modified or terminated. <ul style="list-style-type: none"> <li>o Certificates of occupancy for new structures requiring public water service shall not be issued until a return to stage 3 or a lower stage.</li> <li>o Exceptions to construction restrictions. Public projects are exempted from the above restrictions. In addition, any person may secure a written license from the city manager or his designee to engage in an activity prohibited under the additional mandatory construction restrictions where one or more of the following circumstances are demonstrated to exist: <ul style="list-style-type: none"> <li>• Service is for an existing residence with a contaminated or failed well and the residence has access to an existing water line;</li> <li>• Permits are for renovations to an existing structure with water service;</li> <li>• Peculiar and unique hardships exist involving one or more of the following, or similar situations: unsafe or temporary housing, subsidized housing involving unique permitting or financing arrangements; and responses to fire or other disasters which require the construction activity.</li> </ul> </li> </ul> </li> </ul> |
| <b>Fayetteville<br/>PWC</b> | Code of Ordinances<br>Chapter 28, Article V,<br>Section 28-261 to<br>28-270 | <ul style="list-style-type: none"> <li>• The proper officers of the public works commission, and their agents and assistants, may enter the premises of any water consumer, at any reasonable time, in order to examine the pipes and fixtures, the quantity of water used and the manner of its use. In case of fraudulent use of water on the part of the consumer, or the unnecessary water thereof, the supply of water may be cut off from the premises by order of the public works commission.</li> <li>• It shall be unlawful for any person to permit any yard hydrant, sprinkler or other yard fixture to leak or remain open when not in use.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                             |                                                                             | <p>It shall be mandatory for every user to comply with the following schedule for the irrigation of outdoor landscaping (such as grass, shrubbery, trees, flowers and vegetable gardens) on a year-round basis:</p> <ul style="list-style-type: none"> <li>• For addresses that end in the number 1, 3, 5, 7 or 9 watering of lawns, grass, shrubbery, trees, flowers and vegetable gardens using an automatic irrigation or sprinkler system or hose end sprinkling device shall only be done on Sunday, Tuesday and Thursday. For addresses that end in the number 0, 2, 4, 6 or 8 watering shall only be done on Saturday, Monday and Wednesday. Provided, however, that a person regularly engaged in the sale of plants shall be permitted to use water for such purposes at any time or any day.</li> <li>• For new sod, seeded lawns or planted landscapes, the user may water any day of the week as necessary to establish the new plantings for a period of 30 days following the planting.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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|              |                        | <ul style="list-style-type: none"> <li>• These measures shall remain in effect as long as there has been no stage II, III or IV declaration, as stated in sections 28-267 through 28-269 of this article. If a stage II, III or IV declaration is made, the restrictions therein supersede the conservation measures in this section.</li> <li>• The owner or occupant of any land or building which receives water from the public works commission and that also utilizes water from a well or supply other than that of the public works commission, shall post and maintain in a prominent place thereon a sign furnished by the public works commission, giving public notice of the use of the well or other sources of supply.</li> <li>• In addition, all users should attempt to conserve treated water at all times. Users may refer to PWC's water conservation guidelines for tips and information on various water conservation measures.</li> </ul> <p><b>Water Conservation Stage I:</b> When a water shortage alert is declared users should begin limiting the following uses where possible:</p> <ul style="list-style-type: none"> <li>• Outdoor water use for landscape irrigation.</li> <li>• Washing of automobiles, trucks, trailers, boats, airplanes, or any other type of mobile equipment.</li> <li>• Washing of outside areas such as streets, driveways, service station aprons, parking lots, office buildings, exteriors of existing or newly constructed homes or apartments, and sidewalks.</li> <li>• Introduction of water into any pond, ornamental fountain, pool, or other structure.</li> <li>• Use of water from public or private fire hydrants for purposes other than fire suppression, public emergency, or PWC need.</li> <li>• Use of treated water for dust control or compaction.</li> </ul> <p><b>Water Conservation Stage II:</b> When a water shortage warning is declared, the following mandatory conservation measures shall be in effect:</p> <ul style="list-style-type: none"> <li>• For addresses that end in 1, 3, 5, 7 or 9 watering of lawns, grass, shrubbery, trees, flowers, and vegetable gardens using an automatic irrigation or sprinkler system or hose end sprinkling device shall only be done on Sunday and Thursday. For addresses that end in the number 0, 2, 4, 6 or 8 watering shall only be done on Saturday and Wednesday. A person regularly engaged in the sale of plants shall be permitted to use water for such purposes at any time or any day.</li> <li>• Treated water shall not be intentionally wasted.</li> <li>• All consumers shall reduce consumption to any degree feasible with a goal of reduction of at least 10% of typical consumption. It is the primary responsibility of each user to meet its mandated water use reduction in whatever manner possible, including limitation of operating hours or days, if necessary.</li> </ul> <p><b>Water Conservation Stage III:</b> In the event of a water shortage emergency, the following mandatory water conservation measures shall apply.</p> <ul style="list-style-type: none"> <li>• Watering or sprinkling any lawn, grass, shrubbery, trees or flowers with treated water using an automated irrigation or sprinkler system or hose end sprinkling device is prohibited. Watering is permitted only by a hand-held hose with a spring-loaded nozzle, by container, or by installed drip type irrigation.</li> <li>• Any person regularly engaged in the sale of plants shall be permitted to use automated irrigation or sprinkler systems but only in amounts necessary to prevent the loss of nursery stock.</li> <li>• Treated water shall not be intentionally wasted.</li> <li>• All consumers shall reduce consumption to any degree feasible with a goal of reduction of at least 20% of typical consumption. It is the primary responsibility of each user to meet its mandated water use reduction in whatever manner possible, including limitation of operating hours or days, if necessary.</li> <li>• Restaurants and other food serving establishments shall use single serving utensils, plates and cups and shall serve water only at the patron's request.</li> <li>• The use treated water from hydrants is prohibited except for fire suppression or other public emergency or PWC need.</li> <li>• The use treated water from for dust control or compaction is prohibited unless Consumer demonstrates to PWC the absence of alternative sources</li> </ul> |

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|                                |                                                                                                                                         | <p><b>Water Conservation Stage IV:</b> In the event of a water shortage crisis, in addition to the restriction made unlawful heretofore the following mandatory conservation measures shall be in effect:</p> <ul style="list-style-type: none"><li>• Watering any lawn, grass, shrubbery, trees or flowers with treated water is prohibited. Any person regularly engaged in the sale of plants shall be permitted to use automated irrigation or sprinkler systems but only in amounts necessary to prevent the loss of nursery stock. Persons regularly engaged in the sale of plants shall meet the same percent reduction goals as other commercial establishments as stated in this subsection.</li><li>• Treated water shall not be intentionally wasted.</li><li>• All consumers (to include nursery operations) shall reduce consumption to the degree feasible with a goal of a reduction of at least 30% of typical consumption. It is the primary responsibility of each user to meet its mandated water use reduction in whatever manner possible, including limitation of operating hours or days, if necessary.</li><li>• Restaurants and other food serving establishments shall use single serving utensils, plates and cups and shall serve water only at the patron's request.</li><li>• The use treated water from hydrants is prohibited except for fire suppression or other public emergency or PWC need.Fire suppression must be maintained but where possible tank trucks shall use untreated water.</li><li>• The use treated water from for dust control or compaction is prohibited</li><li>• Washing automobiles, trucks, trailers, boats, airplanes, or any other type of mobile equipment is prohibited except at commercial car wash facilities. Commercial car wash facilities shall meet the same percent reduction goals as other commercial establishments as stated in subsection 28-269(3) above.</li><li>• The use of treated water to wash down outside areas such as streets, driveways, service station aprons, parking lots, office buildings, exteriors of existing or newly constructed homes or apartments, sidewalks, or patios or use water for other similar purposes is prohibited. Any person regularly engaged in the business of washing such areas shall be permitted to use water for such purposes. Persons engaged in the business of washing such areas shall meet the same percent reduction goals as other commercial establishments as stated in this subsection.</li><li>• It The introduction of treated water into any pond, ornamental fountain, or other structure making similar use of water is prohibited.</li><li>• Filling newly constructed swimming or wading pools, or refill swimming or wading pools that have been drained is prohibited. Supplementation of water in existing pools shall only be done in amounts necessary to maintain structural integrity or filtration systems.</li><li>• The general manager may declare additional measures of mandatory conservation controls such as larger percentage reductions in consumption, banning of all nonessential use, termination of service to specific areas in the water system on a rotating basis, prohibition of all industrial uses of treated water, etc., or necessary to protect the health and safety of the customers of the water system.</li></ul> <p>1. <i>Triggers based on water supply:</i></p> <table><tr><th>Water Conservation Stage</th><th>PWC Trigger</th></tr><tr><td>Water Shortage Alert</td><td>Unusually dry conditions result in severely low stream flows that are consistently below seasonal norms and dry conditions are forecast</td></tr><tr><td>Water Shortage Warning</td><td>Target flow of the Cape Fear River at Lillington is reduced to 250 CFS or less</td></tr><tr><td>Water Shortage Emergency</td><td>Daily demands exceed 50% of available flow</td></tr><tr><td>Water Shortage Crisis</td><td>Daily demands exceed 75% of available flow</td></tr></table> <p>2. <i>Triggers based on wet well levels:</i></p> <table><tr><th>Water Conservation Stage</th><th>Hoffer Wet Well Level (ft.)</th><th>River Stage at Fayetteville (ft.)</th><th>Elevation at L&amp;D #3 (ft.)</th></tr><tr><td>Voluntary Water Shortage Alert</td><td>7 consecutive days at 12.4</td><td>9.45</td><td>29.97</td></tr><tr><td>Water Shortage Warning</td><td>11.85</td><td>8.9</td><td>29.42</td></tr><tr><td>Water Shortage Emergency</td><td>11.35</td><td>8.4</td><td>28.92</td></tr><tr><td>Water Shortage Crisis</td><td>10.66</td><td>7.66</td><td>28.18</td></tr></table> <p>3. <i>Triggers based on daily water demands:</i></p> <table><tr><th>Water Conservation Stage</th><th>PWC Trigger</th></tr><tr><td>Voluntary Water Shortage Alert</td><td>3 consecutive days of demand exceeding 85% of available capacity</td></tr><tr><td>Water Shortage Warning</td><td>3 consecutive days of demand exceeding 90% of available capacity</td></tr><tr><td>Water Shortage Emergency</td><td>5 consecutive days of demand exceeding 90% of available capacity</td></tr><tr><td>Water Shortage Crisis</td><td>1 day of demand exceeding 100% of available capacity</td></tr></table> | Water Conservation Stage  | PWC Trigger | Water Shortage Alert | Unusually dry conditions result in severely low stream flows that are consistently below seasonal norms and dry conditions are forecast | Water Shortage Warning | Target flow of the Cape Fear River at Lillington is reduced to 250 CFS or less | Water Shortage Emergency | Daily demands exceed 50% of available flow | Water Shortage Crisis | Daily demands exceed 75% of available flow | Water Conservation Stage | Hoffer Wet Well Level (ft.) | River Stage at Fayetteville (ft.) | Elevation at L&D #3 (ft.) | Voluntary Water Shortage Alert | 7 consecutive days at 12.4 | 9.45 | 29.97 | Water Shortage Warning | 11.85 | 8.9 | 29.42 | Water Shortage Emergency | 11.35 | 8.4 | 28.92 | Water Shortage Crisis | 10.66 | 7.66 | 28.18 | Water Conservation Stage | PWC Trigger | Voluntary Water Shortage Alert | 3 consecutive days of demand exceeding 85% of available capacity | Water Shortage Warning | 3 consecutive days of demand exceeding 90% of available capacity | Water Shortage Emergency | 5 consecutive days of demand exceeding 90% of available capacity | Water Shortage Crisis | 1 day of demand exceeding 100% of available capacity |
| Water Conservation Stage       | PWC Trigger                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| Water Shortage Alert           | Unusually dry conditions result in severely low stream flows that are consistently below seasonal norms and dry conditions are forecast |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| Water Shortage Warning         | Target flow of the Cape Fear River at Lillington is reduced to 250 CFS or less                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| Water Shortage Emergency       | Daily demands exceed 50% of available flow                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| Water Shortage Crisis          | Daily demands exceed 75% of available flow                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| Water Conservation Stage       | Hoffer Wet Well Level (ft.)                                                                                                             | River Stage at Fayetteville (ft.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Elevation at L&D #3 (ft.) |             |                      |                                                                                                                                         |                        |                                                                                |                          |                                            |                       |                                            |                          |                             |                                   |                           |                                |                            |      |       |                        |       |     |       |                          |       |     |       |                       |       |      |       |                          |             |                                |                                                                  |                        |                                                                  |                          |                                                                  |                       |                                                      |
| Voluntary Water Shortage Alert | 7 consecutive days at 12.4                                                                                                              | 9.45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| Water Shortage Warning         | 11.85                                                                                                                                   | 8.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| Water Shortage Emergency       | 11.35                                                                                                                                   | 8.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| Water Shortage Crisis          | 10.66                                                                                                                                   | 7.66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| Water Conservation Stage       | PWC Trigger                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| Voluntary Water Shortage Alert | 3 consecutive days of demand exceeding 85% of available capacity                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| Water Shortage Warning         | 3 consecutive days of demand exceeding 90% of available capacity                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| Water Shortage Emergency       | 5 consecutive days of demand exceeding 90% of available capacity                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| Water Shortage Crisis          | 1 day of demand exceeding 100% of available capacity                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| Jurisdiction         | Ordinance or Reference                                          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Fuquay-Varina</b> | Code of Ordinances Part 5, Chapter 1, Article C, Section 5-1031 | <p>Annual water conservation measures:</p> <ul style="list-style-type: none"> <li>• Every Town customer shall comply with the following schedule for the automated irrigation (sprinklers and irrigation systems) of outdoor landscaping, such as grass, shrubbery, trees, flowers and vegetable gardens, from May 1 through October 31 annually:</li> <li>• For customers whose address numbers end in an even digit, such watering shall be restricted to Tuesdays, Thursdays and Saturdays.</li> <li>• For customers whose address numbers end in an odd digit, such watering shall be restricted to Wednesdays, Fridays and Sundays.</li> <li>• Exceptions to these restrictions (on a temporary 45-day basis, with the payment of a permit fee) may be granted for landscapers or property owners engaged in establishing new grass seed, sod or landscaping on a site-by-site basis, by permit issued by the Town. Any person regularly engaged in the sale of plants shall be permitted to use water for such purposes. These annual restrictions do not apply to any citizens that utilize a drip irrigation system.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                      | Code of Ordinances Part 5, Chapter 1, Article C, Section 5-1034 | <p>Water conservation Stage I, water shortage warning:</p> <ul style="list-style-type: none"> <li>• Whenever the Town experiences a potential Stage I water shortage, the Town Board shall be empowered to declare a water shortage warning. The goal of Stage I conservation measures is to reduce overall consumption by a total of 10%. <ul style="list-style-type: none"> <li>◦ An extensive publicity campaign will be initiated with conservation efforts publicized through the general news media or any other appropriate method for making such notification public. When water shortage warning conditions are declared, the following mandatory conservation measures shall be imposed.</li> <li>◦ It shall be unlawful to use water from the public water system supplied by the Town: <ul style="list-style-type: none"> <li>• To water lawns, grass, shrubbery, trees, flowers and vegetable gardens except by the schedule outlined under section 5-1033.</li> <li>• To wash down outside areas such as streets, driveways, service station aprons, parking lots, office buildings, exteriors of existing or newly constructed homes or apartments, sidewalks or patios, or to use water for other similar purposes; provided, however, that any person regularly engaged in the business of washing such areas shall be permitted to use water for such purposes.</li> <li>• To wash vehicles at home on days others than Saturday or Sunday.</li> <li>• To fill new pools or completely refill existing pools.</li> </ul> </li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                      | Code of Ordinances Part 5, Chapter 1, Article C, Section 5-1035 | <p>Water conservation Stage II, water shortage emergency:</p> <ul style="list-style-type: none"> <li>• When the Town experiences a shortage of treated water, or when the water supply is not adequate to meet normal needs, the Town Board shall be empowered to declare a Stage II water shortage emergency. The declaration shall exist for the duration of the shortage or until it is declared to have ended by the Town. The goal of Stage II conservation measures is to reduce overall consumption by a total of 20%. <ul style="list-style-type: none"> <li>◦ In the event of a Stage II water shortage emergency, in addition to the restrictions heretofore imposed, the following mandatory water conservation measures shall apply. It shall be unlawful to use water from the public water system supplied by the Town for the following purposes:</li> </ul> </li> <li>• To water lawns, grass, shrubbery, trees, flower and vegetable gardens except by the following schedule: <ul style="list-style-type: none"> <li>◦ Odd-numbered addresses may irrigate lawns and landscapes only between 12:00 midnight and 10:00 a.m. on Tuesdays.</li> <li>◦ Even-numbered addresses may irrigate lawns and landscapes only between 12:00 midnight and 10:00 a.m. on Wednesdays.</li> </ul> </li> <li>• To wash any vehicle and equipment, except at a commercial facility that recycles its wash water.</li> <li>• Non-firefighting hydrant use is prohibited.</li> <li>• Any use of potable water in topping off swimming pools is prohibited.</li> <li>• No new water 45-day permits for grass or sod will be issued.</li> <li>• Exceptions to these restrictions are as follows: <ul style="list-style-type: none"> <li>◦ Agricultural irrigation is allowed for the production of food or the maintenance of livestock.</li> <li>◦ Irrigation is allowed for commercial nurseries at a minimum level necessary to maintain stock.</li> <li>◦ Pools used by health care facilities can be filled.</li> </ul> </li> </ul> |
|                      | Code of Ordinances Part 5, Chapter 1, Article C, Section 5-1036 | <p>Water conservation Stage III, water shortage crisis:</p> <p>Whenever the Town Board has declared a water shortage crisis and finds a need to provide for the equitable distribution of critically limited treated water or water supplies to ensure that sufficient treated water is available to preserve public health and safety of the citizens, the Town may enforce a water rationing policy. Such rationing policy shall be approved by the Town Board at the time of the declaration of the water shortage crisis and should be reflective of the following criteria:</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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|              |                              | <ul style="list-style-type: none"> <li>• It is imperative that water customers achieve an immediate further reduction in water use to extend existing water supplies and, at the same time, assure that sufficient water is available to preserve the public health and sanitation and to provide fire protection service. This immediate further reduction in water usage is another step along a continuum of responses to any water shortage crisis. Should the crisis continue, further reductions in water usage may be required. It must be emphasized that additional usage reductions in the rationed area is a valid and attainable goal reflective of the conditions of the crisis. The goal of Stage III conservation measures is to reduce overall consumption by a total of 30%.</li> <li>• The policy must provide for equitable reductions in water usage and for equal sacrifice on the part of each water customer. The success of this policy depends on the cooperation of all water customers in the emergency area.</li> <li>• The policy must ensure that fire protection is maintained.</li> <li>• The policy shall make it unlawful to fail to act in accordance with the restrictions on potable water use or to attempt to evade or avoid such water rationing restrictions.</li> <li>• The policy may include additional measures of mandatory conservation controls such as a percentage reduction in consumption, termination of service to specific areas in the water system on a rotating basis, prohibition of all industrial uses of potable water, and the like, or whatever is necessary to protect the health and safety of the customers of the water system.</li> <li>• In the event of a Stage III water shortage crisis, the following mandatory water conservation measures shall apply. It will be unlawful to use water from the public water system supplied by the Town for the following purposes: <ul style="list-style-type: none"> <li>◦ To water or sprinkle any lawn, grass, shrubbery, trees or flowers with potable water supplied by the Town.</li> <li>◦ To wash automobiles, trucks, boats, airplanes or any other type of mobile equipment, even at commercial facilities that recycle water.</li> <li>◦ All 45-day grass or sod permits are suspended.</li> </ul> </li> </ul>                                                                                                                                                                                               |
| Greensboro   | Water Shortage Response Plan | <p><b>Stage I Voluntary Restrictions</b></p> <ul style="list-style-type: none"> <li>• Voluntary, commercial, manufacturing, institutional and residential conservation measures will be strongly encouraged and recommended including the following: <ul style="list-style-type: none"> <li>◦ Inspect and repair all faulty and defective parts of faucets and toilets.</li> <li>◦ Use shower for bathing rather than bathtub and limit shower to no more than five (5) minutes.</li> <li>◦ Do not leave faucets running while shaving, rinsing dishes, or brushing teeth.</li> <li>◦ Limit use of clothes washers and dishwashers and when used, operate fully loaded.</li> <li>◦ Limit lawn watering to that necessary for plant survival.</li> <li>◦ Water shrubbery the minimum required, reusing household water when possible.</li> <li>◦ Limit vehicle washing.</li> <li>◦ Do not wash down outside areas such as sidewalks, patios, driveways, etc.</li> <li>◦ Install water flow restrictions in showerheads and other water saving devices.</li> <li>◦ Use disposable and biodegradable dishes where possible.</li> <li>◦ Install water saving devices in toilets such as early closing flapper valves.</li> <li>◦ Limit hours of water-cooled air conditioners.</li> <li>◦ Do not fill swimming or wading pools.</li> </ul> </li> <li>• Water supply line pressure should be reduced where feasible to reduce water consumption if it will not affect operation of fixtures, equipment, public safety, or health devices.</li> <li>• Conservation in public buildings, institutions, dormitories, and similar facilities is encouraged by reducing pressure at plumbing fixtures, and by installation of restricting devices.</li> <li>• Water conservation should be followed during all phases of construction-related activities. Where appropriate, water needed should be obtained from supplemental sources.</li> </ul> <p><b>Stage II Mandatory Restrictions</b></p> <p>In the event the previous voluntary restrictions are not sufficient to eliminate reductions in water supply reserves and the Water Resources Director determines that the percentage of reservoir system storage drops to Stage II of the Greensboro Water Shortage Response Curves or it is necessary to access supplementary water from the Haw River Transfer Station during this or any subsequent stage of water restrictions, the city manager shall declare Stage II water restrictions to be in effect. It shall be unlawful to:</p> |

| Jurisdiction | Ordinance or Reference | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|              |                        | <ul style="list-style-type: none"> <li>• Water lawns, grass, shrubbery, trees, flower and vegetable gardens except by hand held-hose, container, or drip irrigation system; provided, however, that such plantings may be watered by any customer by manual or automated sprinkling one (1) day a week. Customers are allowed to do such sprinkling on the day of their city garbage pickup. Customers who do not have city garbage service, or who have multiple pickups during the week, shall be permitted to sprinkle on Wednesdays only. Provided, however, that a person regularly engaged in the sale of plants shall be permitted to use water, by any method at any time, for irrigation of their commercial stock in trade.</li> <li>• Exceed the following water usage mandate: Public and private customers owning golf courses, and institutional customers owning athletic and playing fields which are separately metered, may water the courses and fields by any method during the hours of 10:00 p.m. till 5:00 a.m. each day and shall reduce water usage by 40% of their average usage during the corresponding billing period for the most recent twelve-month period, in which no stage of this plan was in effect. If no meter readings are recorded or otherwise available for a customer's billing period an average of similar users will be established for the customer by the Water Resources Department. <ul style="list-style-type: none"> <li>○ It is the primary responsibility of each customer to meet its mandated water use reduction in whatever manner possible.</li> <li>○ Each such customer shall provide access to city personnel for the purposes of meter reading and monitoring compliance with this plan.</li> <li>○ If the mandated reduction in water usage cannot be obtained without threatening health or safety, or if there has been a significant change in the customer's circumstances, the customer may apply to the Water Resources Director for a variance to the mandate. Any appeal of this administrative decision shall be to the superior court as provided by law.</li> <li>○ Any customer who exceeds the allotments established pursuant to this water rationing will be subject to the following excess-use water rates.</li> <li>○ "Excess-use water rates" will be collected based on the amount by which a customer's use exceeds the water allotments established pursuant to the local water rationing declaration computed on the basis that all water used in excess of the allotment shall be at five (5) times the normal rate.</li> <li>○ Any monies collected through excess-use water rates shall be placed in a reserve account that is dedicated to addressing water shortage problems and water conservation initiatives.</li> <li>○ Failure of the customer to remit the periodic amount billed within the allotted time may result in termination of water service to the customer pursuant to the water and sewer regulations.</li> <li>○ Other restrictions contained in Stage I shall remain voluntary.</li> </ul> </li> </ul> <p><b>Stage III Mandatory Restrictions</b></p> <p>In the event the previous voluntary and mandatory restrictions are not sufficient to eliminate reductions in water supply reserves and the Water Resources Director determines that the percentage of reservoir system storage drops to Stage III of the Greensboro Water Shortage Response Curves, the city manager shall declare Stage III water restrictions to be in effect. It shall be unlawful to:</p> <ul style="list-style-type: none"> <li>• Water or sprinkle any lawn, vegetable garden, grass, shrubbery, trees, or flowers except by a hand-held hose, container, or drip irrigation system. Provided, however, that a person regularly engaged in the sale of plants shall be permitted to use water for irrigation of their commercial stock in trade.</li> <li>• Provided further, that public and private customers owning golf courses, and institutional customers owning athletic and playing fields which are separately metered, may water the courses and fields by any method pursuant to the same terms and conditions set out in Stage II Restrictions except that the mandatory water use reduction shall be 60%.</li> <li>• Operate water-cooled air conditioners or other equipment that does not recycle cooling water, except when health and safety are adversely affected.</li> <li>• Wash automobiles, trucks, trailers, boats, airplanes, or any other type of mobile equipment; except that parts of vehicles may be washed where required by federal, state, or local laws or for safety reasons. Provided, however, that any commercial or business operated car wash facility shall be permitted to use water for such purposes.</li> <li>• Wash down outside areas such as streets, driveways, service station aprons, parking lots, office buildings, exteriors of existing or newly-constructed homes or apartments, sidewalks, or patios, or to use water for similar purposes; provided, however, hand washing of exterior surfaces of a building for the purpose of preparing them for painting shall be permitted. Provided further, licensed commercial pressure washers shall be permitted to operate.</li> </ul> |

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|              |                        | <ul style="list-style-type: none"> <li>• Operate or introduce water into any ornamental fountain, pool, or pond or other structure making similar use of water.</li> <li>• Serve drinking water in restaurants, cafeterias, or other food establishments, except as requested.</li> <li>• Use water from any public or private fire hydrants for any purpose other than fire suppression or other public emergency or Water Resources Department need. Provided, however, that water use for construction from a metered hydrant will be allowed if no alternate water source is available.</li> <li>• Use water for dust control.</li> <li>• Use water for any unnecessary purpose or intentionally wastewater.</li> <li>• The owner or occupant of any land or building who receives water from the city and also uses water from a well or other supply shall post a sign thereon, in a conspicuous place, furnished at no cost by the city Water Resources Department giving notice of the use of well or other sources of supply.</li> <li>• All industrial, manufacturing, and commercial enterprises, and all customers with swimming and wading pools and tennis courts, shall reduce consumption to any degree feasible with a goal of a reduction of at least 25% of their usual usage.</li> </ul> <p><b>Stage IV Mandatory Restrictions</b></p> <p>In the event the previous (voluntary and mandatory) restrictions are not sufficient to eliminate reductions in water supply reserves and the Water Resources Director determines that the percentage of reservoir system storage drops to Stage IV of the water shortage response curves, the city manager shall declare Stage IV water restrictions to be in effect. The following mandatory water restrictions, in addition to those imposed in Stage III, shall be imposed. It shall be unlawful to:</p> <ul style="list-style-type: none"> <li>• Water lawns, grass, shrubbery, trees, flowers and vegetable gardens except by container, drip irrigation system or soaker hose; provided, however, that such plantings may be watered by hand-held hose equipped with a shut off nozzle two (2) days per week on Wednesdays and Saturdays; provided further that water from saturated planting beds shall not run-off onto impervious surfaces such as driveways, sidewalks and streets. Soaker hoses shall not include any device that sprays water into the air. Provided, however, that a person regularly engaged in the sale of plants shall be permitted to use water for irrigation of their commercial stock in trade.</li> <li>• Fill or refill any single-family swimming or wading pool or water any tennis court if a residential customer.</li> <li>• Make any nonessential use of water for commercial or public use.</li> <li>• Exceed the following water usage mandate: Commercial and multi-family swimming pool customers shall reduce water usage by 25% and public and private customers owning golf courses, and institutional customers owning athletic and playing fields which are separately metered, may water the courses and fields by any method and shall reduce water usage by 80%, of their average usage during the corresponding billing period for the most recent twelve-month period, in which no stage of this plan was in effect. If no meter readings are recorded or otherwise available for a customer's billing period an average of similar users will be established for the customer by the Water Resources Department. Such customers include governmental, commercial, industrial, institutional, public, social, multi-family, and all other such users. <ul style="list-style-type: none"> <li>○ It is the primary responsibility of each non-residential customer to meet its mandated water use reduction in whatever manner possible, including limitation of operating hours, or days, if necessary.</li> <li>○ Each customer shall provide access to city personnel for the purposes of meter reading and monitoring of compliance with this plan.</li> <li>○ If the mandated reduction in water usage cannot be obtained without threatening health or safety, or if there has been a significant change in the customer's circumstances, the customer may apply to the Water Resources Director, or his designee, for a variance to the mandate. Any appeal of this administrative decision shall be to the superior court as provided by law.</li> <li>○ Any customer who exceeds the allotments established pursuant to this water rationing will be subject to the following excess-use water rates.</li> <li>○ "Excess-use water rates" will be collected based on the amount by which a customer's use exceeds the water allotments established pursuant to the local water rationing declaration computed on the basis that all water used in excess of the allotment shall be at five (5) times the normal rate.</li> <li>○ Any monies collected through excess-use water rates shall be placed in a reserve account that is dedicated to addressing water shortage problems and water conservation initiatives.</li> </ul> </li> </ul> |

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|              |                        | <ul style="list-style-type: none"> <li>○ Failure of the customer to remit the periodic amount billed within the allotted time may result in termination of water service to the customer pursuant to the water and sewer regulations.</li> <li>● All industrial, manufacturing, and commercial enterprises shall reduce consumption to any degree feasible with a goal of a reduction of at least 50% of their average usage as compared with their usage during the corresponding billing period for the most recent twelve-month period in which no stage of this plan was in effect.</li> </ul> <p><b>Stage V Mandatory Restrictions</b></p> <p>In the event previous restrictions are not sufficient to eliminate reductions in water supply reserves and the Water Resources Director determines that the percentage of Reservoir system storage drops to Stage V of the Greensboro Water Shortage Response Curves, the city manager shall declare Stage V water restrictions to be in effect. The city shall be deemed to be in a state of emergency with respect to its water supply and residential customers shall reduce consumption to any degree feasible with a goal of a reduction of at least 25% of their average usage. The following mandatory water restrictions shall be imposed.</p> <ul style="list-style-type: none"> <li>● Use water outside a structure for any use other than emergencies involving fire or as needed by the Water Resources Department to maintain the system, except that flowers, plants, and shrubs may be watered from a watering can or other container not exceeding three (3) gallons in capacity with used wash water from inside a structure.</li> <li>● Operate an evaporative air conditioning unit which recycles water except during the operating hours of the business.</li> <li>● Wash any vehicle for any purpose, whether inside or outside a structure, except that commercial and business operated car washes may do so as provided in subsection (4) hereof; and provided that parts of vehicles may be washed where required by federal, state, or local laws for health reasons.</li> <li>● Exceed the following water usage mandate: All non-residential customers shall reduce their water usage by 25% except commercial and business operated car washes and non-single family residential customers who operate swimming or wading pools or tennis courts shall reduce such usage by 50%, of their average usage during the corresponding billing period for the most recent twelve-month period, in which no stage of this plan was in effect. If no meter readings are recorded or otherwise available for a customer's billing period an average of similar users will be established for the customer by the Water Resources Department. Non-residential customers include governmental, commercial, industrial, institutional, public, social, and all other such users. <ul style="list-style-type: none"> <li>○ It is the primary responsibility of each non-residential customer to meet its mandated water use reduction in whatever manner possible, including limitation of operating hours, or days, if necessary.</li> <li>○ Each customer shall provide access to city personnel for the purposes of meter reading and monitoring of compliance with this plan.</li> <li>○ If the mandated reduction in water usage cannot be obtained without threatening health or safety, or if there has been a significant change in the customer's circumstances, the customer may apply to the Water Resources Director, or his designee, for a variance to the mandate. Any appeal of this administrative decision shall be to the superior court as provided by law.</li> <li>○ Any such customer who exceeds the allotments established pursuant to this water rationing will be subject to the following excess-use water rates.</li> <li>○ "Excess-use water rates" will be collected based on the amount by which a customer's use exceeds the water allotments established pursuant to the local water rationing declaration computed on the basis that all water used in excess of the allotment shall be at five (5) times the normal rate; except that commercial and business operated car washes and non-single-family swimming and wading pool and tennis court users shall be computed at ten (10) times the normal rate for excess use.</li> <li>○ Any monies collected through excess-use water rates shall be placed in a reserve account that is dedicated to addressing water shortage problems and water conservation initiatives.</li> <li>○ Failure of the customer to remit the periodic amount billed within the allotted time may result in termination of water service to the customer pursuant to the water and sewer regulations.</li> </ul> </li> <li>● Make any water service connections except as herein provided. Connections to the city water system shall be allowed, but not required, in the following cases if all other requirements of law pertaining to such connections have been met: <ul style="list-style-type: none"> <li>○ Lots, upon which construction has been authorized pursuant to a valid building permit issued prior to the effective date of the Stage IV water shortage emergency; provided, that this exemption shall apply for only so long as such building permit remains in effect.</li> </ul> </li> </ul> |

| Jurisdiction | Ordinance or Reference                                            | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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|              |                                                                   | <ul style="list-style-type: none"> <li>Public and other schools satisfying the compulsory education requirements of the laws of the State of North Carolina, public facilities for sheriff, police, fire protection, hospitals, emergency medical services, and facilities of public service companies regulated as public utilities under the laws of the State of North Carolina.</li> </ul> <p><b>Stage VI Mandatory Water Restrictions</b><br/> In the event previous voluntary and mandatory restrictions are not sufficient to eliminate reductions in water supply reserves and the Water Resources Director determines that the percentage of reservoir system storage drops to Stage VI of the Greensboro Water Shortage Response Curves, the city manager shall declare Stage VI water restrictions to be in effect. Residential customers shall continue to reduce consumption to any degree feasible with a goal of a reduction of at least 40% of their average usage. The following mandatory water restrictions shall be imposed. It shall be unlawful to:</p> <ul style="list-style-type: none"> <li>Serve food or beverages in restaurants, cafeterias and other commercial food establishments to customers using anything other than disposable plates, saucers, cups, eating utensils, napkins, and tablecloths.</li> <li>Wash any vehicle for any purpose, whether inside or outside a structure, except those parts of vehicles may be washed where required by federal, state, or local laws, or for health or safety. <ul style="list-style-type: none"> <li>Exceed the following water usage mandate. All non-residential customers shall reduce their water usage by 50% of their average usage during the corresponding billing period for the most recent twelve-month period, in which no stage of this plan was in effect; except that water shall not be used to fill or top off any swimming or wading pool. If no meter readings are recorded or otherwise available for a customer's billing period an average of similar users will be established for the customer by the Water Resources Department.</li> <li>It is the primary responsibility of each non-residential customer to meet its mandated water use reduction in whatever manner possible, including limitation of operating hours or days if necessary.</li> <li>Each customer shall provide access to city personnel for the purpose of reading and monitoring of compliance with this plan.</li> <li>If the mandated reduction in water usage cannot be obtained without threatening health or safety, or if there has been a significant change in the customer's circumstances, the customer may apply to the Water Resources Director, or his designee, for a variance to the mandate. Any appeal of this administrative decision shall be to the superior court as provided by law.</li> <li>Any water customer who exceeds the allotments established pursuant to this water rationing will be subject to the following excess-use water rates.</li> <li>"Excess-use water rates" will be collected based on the amount by which a customer's monthly use exceeds the water allotments established pursuant to the local water rationing declaration computed on the basis that all water used in excess of the allotment shall be at ten (10) times the normal rate.</li> <li>Failure of the customer to remit the periodic amount billed within the allotted time may result in termination of water service to the customer pursuant to the water and sewer regulations.</li> <li>Make any new service connections to the city water system except for public and other schools satisfying the compulsory education requirements of the laws of the State of North Carolina, public facilities for sheriff, police, fire protection, hospitals and emergency medical services, and facilities of public service companies regulated as public utilities under the laws of the State of North Carolina.</li> </ul> </li> </ul> |
| Highpoint    | Code of Ordinances<br>Title 8, Chapter 2,<br>Article A, Section 8 | <p><b>Emergency Water Conservation</b><br/> If the availability of water so limits the water system that unrestricted use may endanger the adequacy of the supply, the director of public services will make a recommendation to the city manager and he shall recommend that the city council, exercising its discretion in the protection of the public health, safety and welfare, may by resolution adopt such emergency use restrictions, including increased rates, as are reasonably calculated under all conditions to conserve and protect that supply and to ensure a regular flow of water through the water system. Emergency water use regulations and restrictions shall remain in force and effect until the city council determines that the conditions requiring their imposition no longer exist.</p> <p>A Water Shortage Alert may be declared when a water shortage event poses a potential threat to the ability of the water system to meet the needs of its customers currently or in the foreseeable future. Lake levels, average daily use, and remaining reservoir capacities will be monitored on a daily basis during a water shortage event. The Director of Public Services will declare a Phase I – Water Shortage Alert when the remaining capacity of the combined reservoirs is less than 80% of full capacity. Once a Water Shortage Alert has been</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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|              |                        | <p>declared, all City Departments will immediately cease all non-essential uses of potable water, including but not limited to street flushing, fleet washing, and recreational uses. All water customers of the City of High Point (residential, commercial, industrial, and municipal) will be requested to voluntarily reduce water consumption by:</p> <ul style="list-style-type: none"> <li>• Limit sprinkling and watering of lawns, shrubbery, and flowers to odd or even calendar days, depending on the last digit of their address. For example: 2011 E. Kivett (odd) would water on July 31 (odd) but would not water on August 2 (even).</li> <li>• Restricting private car washing to a minimum and then only on weekends.</li> <li>• Storing drinking water in the refrigerator to avoid trying to run it cool at the tap.</li> <li>• Showering instead of bathing or reducing the depth of water used for a tub bath to no more than 1/4 full. Limit the length of each shower to 5 minutes.</li> <li>• Not leaving faucets running while shaving or rinsing dishes, brushing teeth, etc.</li> <li>• Washing full loads in clothes washers and dishwashers.</li> <li>• Installing water saving devices such as plastic bottles or commercial units in toilet tanks, unless it is already a new water-saving type unit.</li> <li>• Limiting flushing of toilets by multiple usages.</li> <li>• Limiting hours of operation of water-cooled air conditioners where possible.</li> <li>• Not introducing water into pools except to the extent necessary to maintain operation.</li> <li>• Not washing sidewalks, patios, building exteriors, driveways or other areas.</li> <li>• Not introducing water into any decorative fountain, pool or pond.</li> <li>• Not serving water in a public restaurant except upon request.</li> <li>• Not using water for any unnecessary purpose or intentionally wasting water.</li> <li>• All construction activities involving flushing, filling of water lines, disinfection, and street construction must be approved by and scheduled with the Public Services Department</li> </ul> <p><b>Phase II - Mandatory Conservation:</b><br/> Mandatory Conservation may be declared when a water shortage event poses a significant threat to the ability of the water system to meet the needs of its customers currently or in the foreseeable future. The Director of Public Services will declare Phase II – Mandatory Conservation when the remaining capacity of the combined reservoirs is less than 60% of full capacity. Once Mandatory Conservation has been declared, in accordance with the Emergency Water Conservation Ordinance, all conservation measures of the Water Shortage Alert will become mandatory. In addition, all water customers of the City of High Point will:</p> <ul style="list-style-type: none"> <li>• Residential consumption above the first usage bracket (35 units) will be billed at double the normal rate.</li> <li>• Use disposable dishes in residences and restaurants where possible.</li> <li>• Not water lawns at all, except golf course greens.</li> <li>• Water vegetable gardens only between the hours of 4:00 P.M. and 8:00 P.M. on Saturdays.</li> <li>• Fill no swimming pool, hot tub, spa, or replenish any filled pools except to the minimum level essential for the operation of chemical level equipment.</li> <li>• Operate no water-cooled air conditioners or other equipment that does not recycle cooling water, except when health and safety are adversely affected.</li> <li>• Discontinue washing motor vehicles except where 50% or more of the water is recycled.</li> <li>• The Director of Public Services will be empowered to negotiate with all industrial and commercial accounts to ensure that all reasonable conservation measures are implemented.</li> </ul> <p><b>Phase III - Stringent Conservation:</b><br/> Stringent Conservation may be declared when a water shortage event poses a serious threat to the ability of the water system to meet the needs of its customers currently or in the foreseeable future. The Director of Public Services will declare Phase III – Stringent Conservation when the remaining capacity of the combined reservoirs is less than 50% of full capacity. Once Stringent Conservation has been declared in accordance with the Emergency Water Conservation Ordinance, all conservation measures of Mandatory Conservation will be in effect. In addition, all water customers of the City of High Point will:</p> <ul style="list-style-type: none"> <li>• Be charged at double rates for water consumption above 10 units per month.</li> </ul> |

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|               |                                                                                | <ul style="list-style-type: none"> <li>• Use no water outside a structure except in an emergency involving fire.</li> <li>• Operate no evaporative air conditioning units which recycle water except during the operating hours of the business.</li> <li>• Close all swimming pools.</li> <li>• Wash no motor vehicle, including commercial washing facilities.</li> </ul> <p><b>Phase IV – Water Rationing:</b><br/> Water Rationing may be declared when a water shortage event poses an imminent threat to the ability of the water system to meet the needs of its customers currently or in the foreseeable future. The Director of Public Services will declare Phase IV – Water Rationing when the remaining capacity of the combined reservoirs is less than 40% of full capacity. Once Water Rationing has been declared in accordance with the Emergency Water Conservation Ordinance, all conservation measures of Stringent Conservation will be in effect. In addition, all water customers of the City of High Point will:</p> <ul style="list-style-type: none"> <li>• All other uses of water will be limited to those necessary to meet minimum health and safety needs of the customers.</li> <li>• The Director of Public Services shall be empowered to limit the hours of service to different sections of the city on a rotating basis in order to maintain minimum health and safety needs.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Holly Springs | Code of Ordinances, Chapter 16, Article II, Division 2, Section 16-71 to 16-76 | <p><b>Year-round permanent water conservation:</b></p> <ul style="list-style-type: none"> <li>• It shall be unlawful at any time of the year for any person to intentionally or unintentionally waste water, particularly by overwatering landscape by having irrigation nozzles directed so that water sprays onto impervious surfaces (streets, driveways, sidewalks or other hardscaped areas) to the extent that water runs into storm drains and by overwatering grass or landscape to the extent that the soil can no longer absorb water, which then flows off the landscape into the street or down parking lots.</li> <li>• Customers violating this section may be imposed a civil fine of up to \$100.00 per violation, at the discretion of the town manager or his designee. In the event of multiple (two or more) uncorrected violations, the town manager may direct suspension of water service at the location of the violations.</li> </ul> <p><b>Stage 0, permanent voluntary seasonal water conservation measures:</b> The Town of Holly Springs shall observe a water conservation season annually from May 1 through September 30, when every town customer will be encouraged to comply on a voluntary basis with the following schedule for the irrigation systems. ("Irrigation systems" are defined as both unattended hose-end sprinklers and automated irrigation systems; however, does not include attended hand-watering, of outdoor landscaping such as grass, shrubbery, trees, flowers and vegetable gardens.) The town manager is empowered to pronounce the same guidelines to be observed during any other time of the year to be consistent with regulations being observed in and declared by the County of Harnett. Customers are encouraged to practice conservation and best landscape management practices, which includes avoiding the overwatering of outdoor landscaping. To this end, the following voluntary practice is strongly encouraged:</p> <ul style="list-style-type: none"> <li>• For customers whose address numbers end in an even digit, such watering shall be encouraged to take place on Mondays, Wednesdays and Saturdays.</li> <li>• For customers whose address numbers end in an odd digit, such watering shall be encouraged to take place on Tuesdays, Thursdays and Sundays.</li> <li>• Public property (i.e., schools and park athletic fields), golf courses and businesses with plants for sale are not subject to these irrigation schedules; however, such users should keep nonessential watering to the minimum required to maintain safe playing surfaces or to maintain plant inventory. <ul style="list-style-type: none"> <li>○ Hand-watering with containers or hoses, the use of soaker hoses and the use of alternative sources of water to the town's public water supply are not restricted.</li> <li>○ During the annual water conservation season, no other uses of water are restricted, except as provided in subsection 16-73(a).</li> <li>○ The town will use its best efforts to provide an educational campaign encouraging customers to limit to the extent possible and practical all uses of water.</li> </ul> </li> </ul> |

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|              |                        | <p><b>Stage 1 water shortage alert:</b> When a Stage 1 water shortage alert is declared by Harnett County, the town manager is empowered to declare that the following Stage 1 mandatory conservation measures by users of the town's public water supply shall be in effect:</p> <ul style="list-style-type: none"> <li>• For customers whose address numbers end in an even digit, such watering shall be restricted to between 6:00 a.m. and 10:00 a.m. and between 6:00 p.m. and 10:00 p.m. Mondays, Wednesdays and Saturdays.</li> <li>• For customers whose address numbers end in an odd digit, such watering shall be restricted to between 6:00 a.m. and 10:00 a.m. and between 6:00 p.m. and 10:00 p.m. Tuesdays, Thursdays, and Sundays.</li> <li>• No irrigation from the town's public water supply shall take place on Friday.</li> <li>• Public and private property of social or economic impact in the community (i.e., public and private schools, day care centers, public and private golf courses, public parks and athletic fields) and businesses with plants for sale are not subject to these irrigation schedules; however, such users must keep nonessential watering to the minimum required to maintain safe playing surfaces or to maintain plant inventory.</li> <li>• Hand-watering with containers or hoses, the use of soaker hoses and the use of alternative sources of water to the town's public water supply are not restricted.</li> <li>• Exceptions to these restrictions on a temporary 30-day basis may be granted with a landscape watering permit from the town clerk's office for the purpose of establishing new plantings, including sod, seed (re-seeding and over-seeding are included) landscape beds, and trees.</li> <li>• A fee, as listed on the town's fees and rate schedule and set at \$50.00 on the date of adoption of this section, shall be charged for landscape watering permits, except that a waiver of this fee may be provided for those who show evidence of having planted only warm-season hardy grasses, such as Zoysia, Bermuda, Centipede or St. Augustine or drought-resistant landscaping. Fee waivers will not be granted for the planting of any cool-season grasses such as Rye or Fescue.</li> <li>• During a Stage 1 water shortage alert, no other uses of water are restricted, except as provided in subsection 16-73(a).</li> <li>• The town will provide an educational campaign encouraging customers to limit to the extent possible and practical all uses of water.</li> <li>• The introduction of water into any new pond, ornamental fountain, pool, or other structure should be postponed until the Stage 1 water shortage alert is lifted, except that existing pools and ponds can be filled to remain operational, support aquatic life and provide sanitary conditions for swimmers. The director of water quality or the town manager or his designee may grant exceptions on a case-by-case basis.</li> </ul> <p><b>Stage 2 water shortage warning:</b> When a Stage 2 water shortage warning is declared by Harnett County, the Town Manager of the Town of Holly Springs is empowered to declare that the following Stage 2 mandatory conservation measures by users of the town's public water supply shall be in effect:</p> <ul style="list-style-type: none"> <li>• For customers, whose address numbers end in an even digit, such watering shall be restricted to Wednesdays and Saturdays.</li> <li>• For customers, whose address numbers end in an odd digit, such watering shall be restricted to Thursdays and Sundays.</li> <li>• No irrigation shall take place on Mondays, Tuesdays, or Fridays.</li> <li>• Public and private property of social or economic impact in the community (i.e., public and private schools, day care centers, public and private golf courses, public parks and athletic fields) and businesses with plants for sale are not subject to these irrigation schedules; however, such users must keep nonessential watering to the minimum required to maintain safe playing surfaces or to maintain plant inventory.</li> <li>• Hand-watering with containers or hoses, the use of soaker hoses and the use of alternative sources of water to the town's public water supply are not restricted.</li> <li>• Exceptions to these restrictions on a temporary 30-day basis may be granted with a new landscape establishment permit from the town clerk's office for the purpose of establishing only new plantings, which are defined as the installation of new sod to the entire yard, whole yard first seeding, or large commercial plantings. The permit will be applicable during the installation and for 30 days from substantial completion of the installation. Irrigation will be permitted only during the hours 6:00 a.m. to 10:00 a.m. and from 6:00 p.m. to 10:00 p.m. on any day. During a Stage 2 water shortage warning, permits are not issued for over-seeding unless the Town of Holly Springs environmental office deems such over-seeding necessary to correct soil erosion control violations.</li> <li>• A fee, as listed on the town's fees and rate schedule and which is set at \$50.00 on the date of adoption of this section, shall be charged for new landscape establishment permits, except that a waiver of this fee may be provided for those who show evidence of</li> </ul> |

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|              |                        | <p>having planted only warm-season hardy grasses, such as Zoyzia, Bermuda, Centipede or St. Augustine or drought-resistant landscaping. Fee waivers will not be granted for the planting of any cool-season grasses such as Rye or Fescue.</p> <ul style="list-style-type: none"> <li>• The owner or occupant of any land or building which receives water from the Town of Holly Springs and that also utilizes water from a well or supply other than that of the Town of Holly Springs shall post and maintain in a prominent place thereon a sign, placard or sticker furnished by the Town of Holly Springs giving public notice of the use of a well or other source of water.</li> </ul> <p>During a Stage 2 water shortage warning, other uses of water are restricted, including as provided in subsection 16-73(a) and as follows:</p> <ul style="list-style-type: none"> <li>• It shall be unlawful to wash automobiles, trucks, trailers, boats, airplanes, or any other type of mobile equipment except at commercial car wash facilities; except that any person regularly engaged in a commercial operation or public service that requires equipment be washed shall be permitted to use water for such purposes as long as the amount of water being used is minimized.</li> <li>• It shall be unlawful to wash down outside areas such as streets, driveways, service station aprons, parking lots, office buildings, exteriors of existing or newly constructed homes or apartments, sidewalks, or patios, or to use water for other similar purposes; provided, however, that any person regularly engaged in the business of washing such areas shall be permitted to use water for such purposes.</li> <li>• It shall be unlawful to introduce water into any pond, ornamental fountain, or other structure making similar use of water, except that existing pools and ponds can be filled to remain operational, support aquatic life and provide sanitary conditions for swimmers. Electrical and plumbing permits for new swimming pool construction will not be issued until the Stage II water shortage warning is lifted.</li> <li>• It shall be unlawful to use water from public fire hydrants for any purpose other than fire suppression or other public emergency or water department need. The director of water quality or the town manager or his designee may grant exceptions on a case-by-case basis.</li> <li>• It shall be unlawful to use water for dust control or compaction without demonstrating a lack of alternative sources and obtaining written permission from the director of water quality, the town manager or designee.</li> <li>• It shall be unlawful to fill newly constructed swimming or wading pools or refill swimming or wading pools that have been drained, except that the director of water quality, town manager or designee may grant exceptions on a case-by-case basis.</li> <li>• All industrial, manufacturing, and commercial enterprises, other than those listed as "essential use" in section 16-72(5), shall reduce consumption to any degree feasible with a goal of reduction of at least 20%.</li> <li>• The owner or occupant of any land or building which receives water from the Town of Holly Springs and that also utilizes water from a well or supply other than that of the Town of Holly Springs shall post and maintain in a prominent place thereon a sign, placard or sticker furnished by the Town of Holly Springs giving public notice of the use of a well or other source of water.</li> <li>• The town shall make its best efforts to provide an educational campaign encouraging customers to limit to the extent possible and practical all uses of water.</li> </ul> <p><b>Stage 3 water shortage emergency:</b><br/> When a Stage 3 water shortage emergency is declared by Harnett County, the town manager is empowered to declare that the following mandatory conservation measures by users of the town's public water supply shall be in effect, in addition to the restrictions heretofore imposed:</p> <ul style="list-style-type: none"> <li>• It shall be unlawful to water or sprinkle any lawn, grass, shrubbery, trees, or flowers with treated water using an automated irrigation or sprinkler system. Watering is permitted only by hand-held hose with a spring-loaded nozzle, by container, or by installed drip type irrigation. Provided, however, that any person regularly engaged in the sale of plants shall be permitted to use automated irrigation or sprinkler systems but only in amounts necessary to prevent the loss of nursery stock.</li> <li>• It shall be unlawful to re-fill or supplement swimming and/or wading pools from the Town of Holly Springs water supply.</li> <li>• Restaurants and other food serving establishments shall use single-serving utensils, plates, and cups and shall serve water only at the patron's request.</li> <li>• Except as provided in subparagraph (a) above, it shall be unlawful to use treated water outdoors for any reason other than fire suppression, emergencies relating to health and safety issues, or as needed by the Town of Holly Springs to maintain the water system.</li> </ul> |

| Jurisdiction        | Ordinance or Reference                                                                                  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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|                     |                                                                                                         | <ul style="list-style-type: none"> <li>• All industrial, manufacturing, and commercial enterprises, other than those listed as "essential use" in section 16-72(5), shall reduce consumption to any degree feasible with a goal of reduction of at least 40%.</li> </ul> <p><b>Stage 4 water shortage crisis:</b><br/>When a Stage 4 water shortage crisis is declared by Harnett County, the town manager is empowered to declare that the following mandatory conservation measures by users of the town's public water supply shall be in effect, in addition to the restrictions heretofore imposed:</p> <ul style="list-style-type: none"> <li>• Residential users shall reduce water consumption to a level necessary to sustain human life and the lives of domestic pets and to maintain minimum standards of hygiene and sanitation.</li> <li>• Fire protection must be maintained, but where possible, tank trucks shall use untreated water.</li> <li>• It shall be unlawful to wash automobiles, trucks, trailer, boats, airplanes, or any other type of mobile equipment.</li> <li>• It shall be unlawful to make any nonessential use of treated water for commercial or public use.</li> <li>• All industrial, manufacturing, and commercial enterprises, other than those listed as "essential use" in section 16-72(5), shall reduce consumption to any degree feasible with a goal of reduction of at least 50%.</li> <li>• The manager may declare additional measures of mandatory conservation controls such as larger percentage reductions in consumption, termination of service to specific areas in the water system on a rotating basis, prohibition of all industrial users of treated water, etc. or whatever is necessary to protect the health and safety of the customers of the water system. The town shall make every effort to limit restrictions to those industrial customers producing essential products for the protection of public health, bioterrorism or homeland defense defined as "essential use" in section 16-72.</li> </ul> |
|                     | Code of Ordinances, Chapter 16, Article IV, Division 3, Section 16-330                                  | <p><b>Water Reuse:</b><br/>Town Code Chapter 16, Article IV (Reclaimed Water Regulation) outlines the requirements for the Town's reclaimed water system, requiring all customers within the reclaimed water service area to connect irrigation systems (and potentially other secondary uses) to the reclaimed water system. It is the Town's policy to provide reclaimed water to meet non-potable water demands with the following objectives:</p> <ul style="list-style-type: none"> <li>• Reduce potable water demand.</li> <li>• Reduce wastewater discharges into Utley Creek.</li> </ul> <p>The Town is currently permitted to distribute 1.5 MGD of reclaimed water and it has been delegated authority from NCDEQ to issue permits for reclaimed water irrigation systems up to 5 acres for both residential and non-residential properties.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Jacksonville</b> | Code of Ordinances, Chapter 26, Article V, Section 26-200 to 26-203<br><br>Water Shortage Response Plan | <p><b>Level 1 – Voluntary Reductions</b><br/>Water users are encouraged to reduce their water use and improve water use efficiency; however, no penalties apply for noncompliance. Water supply conditions indicate a potential for shortage. Target reduction of 5%.</p> <ul style="list-style-type: none"> <li>• To checking plumbing and toilets for leaks, and, if necessary, repair</li> <li>• To repair leaking faucets whenever they develop</li> <li>• To store drinking water in the refrigerator to avoid trying to run it cool at the tap</li> <li>• To use shower for bathing purposes or reduce the depth of water used for tub baths.</li> <li>• To limit showers to four (4) minutes where possible</li> <li>• To refrain from running faucets while shaving, rinsing dishes or brushing teeth</li> <li>• To install water conservation devices in faucets, showerheads and toilets</li> <li>• To limit the use of clothes washers and dishwashers, and when used, to operate fully loaded</li> <li>• To reduce the flushing of toilets to the minimum whenever practical</li> <li>• To limit lawn watering to only when grass shows signs of withering and apply water as slow as possible to achieve deep penetration</li> <li>• To limit shrubbery watering to the minimum, reusing household water when possible</li> <li>• To limit car washing to the minimum</li> <li>• To limit wash downs of outside areas such as sidewalks, patios, driveways, or other similar purposes</li> <li>• To use biodegradable disposable dishes and utensils, both for residential and commercial purposes, where feasible</li> <li>• To review water uses and where feasible to install recycle systems, particularly for commercial and industrial customers</li> </ul>                                                                                                                                                                                                                                                                                                 |

| Jurisdiction | Ordinance or Reference | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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|              |                        | <ul style="list-style-type: none"> <li>• To avoid peak times of use by setting automatic sprinklers system to come on either 3:30 am to 5:30 am, or from 8:00 am to 10:00 am. And then to only water items 2 to 3 times per week.</li> </ul> <p><b>Level 2 – Mandatory Reductions I</b><br/> Water users must abide by required water use reduction and efficiency measures; penalties apply for noncompliance. Water supply conditions are significantly lower than the norm and water shortage conditions are expected to persist. Target reduction is 10%.</p> <ul style="list-style-type: none"> <li>• To water lawns, grass, shrubbery, trees, flower and vegetable gardens except as follows: <ul style="list-style-type: none"> <li>○ Customers located to the north of the center line of U.S. Highway 17 may water lawns, grass, shrubbery, trees, flower and vegetable gardens on Saturday morning between the hours of 6:00 a.m. and 9:00 a.m.</li> <li>○ Customers located to the south of the center line of U.S. Highway 17 may water lawns, grass, shrubbery, trees, flower and vegetable gardens on Sunday morning between the hours of 6:00 a.m. and 9:00 a.m.</li> <li>○ Persons regularly engaged in the sale of plants shall be permitted to use water for such purposes on Monday, Wednesday and Friday. All such watering is to be done by a hand-held hose or container or drip irrigation system.</li> </ul> </li> <li>• To fill newly constructed swimming or wading pools or refill swimming or wading pools which have been drained. A minimal amount of water may be added to maintain continued operation of pools which are in operation at the time the Stage I shortage is placed into effect.</li> <li>• To wash automobiles, trucks, trailers, boats, airplanes, or any other types of mobile equipment, including commercial washing. A person regularly engaged in the business of washing motor vehicles and any commercial car wash facility shall be permitted to use water for such purposes, when at least 50% water savings are documented.</li> <li>• To wash down outside areas such as streets, driveways, service station aprons, parking lots, office buildings, exteriors of existing or newly constructed homes or apartments, sidewalks, or patios, or to use water for other similar purposes.</li> <li>• To operate or introduce municipal system water into any ornamental fountain, pool, pond or other structure making similar use of water.</li> <li>• To use water from public or private fire hydrants for any purpose other than fire suppression or other public emergency.</li> <li>• To use municipal system water for dust control or compaction.</li> <li>• To use water for any unnecessary purpose or to intentionally waste water.</li> </ul> <p><b>Level 3 – Mandatory Reductions II</b><br/> Same as in Level 2. Target reduction is 20%.</p> <p><b>Level 4 – Emergency Reductions II</b><br/> Water supply conditions are substantially diminished and pose an imminent threat to human health or environmental integrity. Target reduction is 25%. A ban on all use of drinking water except to protect public health and safety is implemented and drought surcharges increase to 2 times the normal water volume charge shall apply. It shall be unlawful:</p> <ul style="list-style-type: none"> <li>• To use water outside a structure for any use other than an emergency involving fire.</li> <li>• To introduce water into any swimming pool.</li> <li>• To serve drinking water in restaurants, cafeterias, or other food establishment, except upon request.</li> <li>• To make any nonessential use of water for commercial or public use, and the use of single-service plates is encouraged and recommended in restaurants.</li> <li>• To operate an evaporative air conditioning unit which recycles water, except during the operating hours of the business</li> </ul> <p><b>Level 5 – Water Rationing</b><br/> Water supply conditions are substantially diminished and remaining supplies must be allocated to preserve human health and environmental integrity. All customers will be limited in their use of water to those activities required for personal health and safety. Firefighting is the only allowable outdoor water use. Drought surcharges increase to 5 times the normal water volume charge.</p> |

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| Mebane       | Code of Ordinances, Chapter 36, Article II, Division 2, Section 36 | <p><b>Declaration of voluntary conservation stage I.</b> A stage 1 condition may be declared when drought conditions appear to be imminent and Graham-Mebane Lake water level declines to a level of 150 days of usable water storage.</p> <ul style="list-style-type: none"> <li>• An extensive publicity campaign will be initiated using public media and specialized methods to inform the public of an impending water shortage.</li> <li>• Residential conservation measures will be encouraged and recommended including the following: <ul style="list-style-type: none"> <li>○ Use shower for bathing rather than bathtub and limit shower to no more than four minutes.</li> <li>○ Limit flushing of toilets by multiple uses.</li> <li>○ Do not leave faucets running while brushing teeth, shaving, or rinsing dishes.</li> <li>○ Limit use of clothes washers and dishwashers and when used, operate fully loaded.</li> <li>○ Limit lawn water to that which is necessary for plants to survive.</li> <li>○ Water shrubbery the minimum required, reusing household water when possible.</li> <li>○ Limit car washing to the minimum.</li> <li>○ Do not wash down the outside areas such as sidewalks, patios, etc.</li> <li>○ Install water flow restrictive devices in shower heads.</li> <li>○ Use disposable and biodegradable dishes.</li> <li>○ Install water saving devices such as water filled plastic bottle or commercial units in toilet tanks.</li> <li>○ Limit hours of operation of water cooled air conditioners.</li> </ul> </li> <li>• It is recommended that water supply line pressure reducing valves be set to the minimum necessary for effective operations of fixtures and equipment.</li> <li>• Conservation in public buildings, institutions, dormitories, etc. is encouraged by reducing pressure at plumbing fixtures, by installation of restricting devices and shutting down on water flow control devices, and by periodic flushing of urinals.</li> <li>• All residents, businesses and institutions are requested to temporarily delay new landscape work until the water shortage has ended.</li> </ul> <p><b>Declaration of mandatory stage II.</b> A stage II condition may be declared when drought conditions are prolonged and Graham-Mebane Lake water level declines to a level of 120 days of usable water storage.</p> <ul style="list-style-type: none"> <li>• In addition to the restrictions heretofore imposed, the following moderate mandatory water restrictions shall be in effect. It shall be unlawful to use water from the public water system supplied by the city/town for the following purposes: <ul style="list-style-type: none"> <li>○ To water lawns, grass, shrubbery, trees, flower and vegetable gardens except on Saturday between the hours of 6:00 am and 9:00 am.</li> <li>○ To fill newly constructed swimming and/or wading pools or refill swimming and/or wading pools, which have been drained. A minimal amount of water may be added to maintain continued operation of pools which are in operation at the time the provisions of a "Mandatory Stage II" are placed into effect.</li> <li>○ To operate water-cooled air conditioners or other equipment that does not recycle cooling water, except when health and safety are adversely affected.</li> <li>○ To wash automobiles, trucks, trailers, boats, airplanes, or any type of mobile equipment, including commercial washing, except those commercial operations that recycle at least 50% of their water use.</li> <li>○ To wash down outside areas such as streets, driveways, service station aprons, parking lots, office buildings, exteriors of existing or newly constructed homes or apartments, sidewalks, or patios, or to use water for other similar purposes.</li> <li>○ To operate or introduce water into any ornamental fountain pool or pond or other structure making similar use of water.</li> <li>○ To serve drinking water in restaurants, cafeterias, or other food establishments, except upon request.</li> <li>○ To use water from public or private fire hydrants for any purpose other than fire suppression or other public emergency, unless authorized by the City Manager for water quality needs.</li> <li>○ To use water for dust control or compaction. To use water for any unnecessary purpose or to intentionally waste water.</li> </ul> </li> </ul> <p><b>Declaration of mandatory stage III.</b> I. A stage III condition may be declared when drought conditions are prolonged and Graham-Mebane Lake water level declines to a level of 90 days of usable water storage.</p> <p>To water or sprinkle any lawn.</p> <p>To water any vegetable garden or ornamental shrubs except during the hours of 6:00 a.m. to 9:00 a.m. on Saturday. Such watering is only to be done by handheld hose or container or drip irrigation system.</p> |

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|              |                              | <p><b>Declaration of emergency stage IV.</b> A stage IV condition may be declared when drought conditions are persistent and Graham-Mebane Lake water level declines to a level of 60 days of usable water storage. It shall be unlawful:</p> <ul style="list-style-type: none"> <li>• To use water outside a structure for any use other than an emergency use involving fire.</li> <li>• To operate an evaporative air conditioning unit which recycles water except during the operating hours of the business.</li> <li>• To introduce water into any swimming pool.</li> </ul> <p><b>Declaration of rationing stage V.</b> A stage V condition may be declared when all the conditions exist in stage IV and Graham-Mebane Lake water level declines to a level of 30 days of usable water storage. In the event a "rationing stage V" is declared to exist, a system of water rationing shall be put in effect in addition to all previously imposed restrictions. In the event of water rationing in which water will be supplied in the minimal quantities required for the health, welfare, and safety of the citizens in accordance with the following program.</p> <ul style="list-style-type: none"> <li>• It shall be unlawful to fail to act in accordance therewith or use water in any manner or attempt to evade or avoid such water rationing restrictions.</li> <li>• Fire protection will be maintained, but where possible, tank trucks shall use raw water.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| OWASA        | Water Shortage Response Plan | <p><b>Major Water Conservation Initiatives of OWASA</b><br/>Following the extreme droughts of 2001-2002 and 2007-2008, OWASA implemented a number of important strategies to reduce and manage customer demands throughout the year, including:</p> <ul style="list-style-type: none"> <li>• Implementing a permanent process water recycling system at the Jones Ferry Road Water Treatment Plant. This has reduced average daily raw water withdrawals by about 7% since the fall of 2002.</li> <li>• Establishing seasonal water rates for all customers beginning in 2002 and subsequently implemented a five-tiered increasing block rate structure for all individually metered residential customers beginning in 2007.</li> <li>• Implementing a new reclaimed water system to initially serve the University of North Carolina at Chapel Hill. This system reduces drinking water demands by approximately 0.65 million gallons a day (mgd).</li> <li>• Continuing water conservation education and awareness efforts for OWASA customers, including information and technical assistance for customers interested in implementing cost-effective conservation measures.</li> </ul> <p><b>Triggers for Implementing Water Shortage Response Stages During Extended Droughts:</b></p> <ul style="list-style-type: none"> <li>• OWASA's drought management decisions are guided primarily by the estimated level of risk that usable reservoir storage will decline to 20% (approximately 700 MG) or less during the next 12 months. At a raw water demand level of 7.5 mgd, 700 MG of raw water supply on-hand would meet customer needs for approximately three months during an extreme drought, thus providing time to implement emergency water supply augmentation and conservation measures.</li> <li>• Water supply risk is determined from OWASA's Reservoir Optimization Model (OWASA-ROM), which includes a statistical analysis of 82 years of actual and simulated streamflow records (1926-2007) for the Cane Creek/University Lake/Quarry Reservoir supply system. The model simulates what reservoir storage levels would be under various levels of annual average-day demand, storage volume remaining at a given time of the year, and historical streamflows and evaporation rates.</li> <li>• The average-day demand for the year is adjusted to reflect historical monthly demand ratios for the OWASA system. The model reflects OWASA's operating protocols and the capacities of existing raw water pumping and transmission facilities. It simulates reservoir inflows, levels, and demands on a daily time-step, and evaluates the reliability of the system to meet demands while maintaining a minimum emergency storage reserve target of 20% of total capacity as a margin of safety.</li> <li>• OWASA-ROM has been used to estimate the total reservoir storage volumes (percent remaining) that correspond to approximately 2% (2 years in 82), 10% (8 years in 82) and 20% (16 years in 82) probabilities that reservoir storage will be drawn down to 20% or less of storage during the following 12 months under various annual average-day demand levels and assuming no other action taken to reduce demands and/or augment the supply.</li> <li>• In the late fall, winter, and early spring, when inflows are typically higher and demand lower, reservoir storage can drop to relatively low levels before the risk of drawdown to 20% or less during the following 12 months becomes significant. From late spring through fall, when demand rises and inflows decline, the level of risk for a given demand increases.</li> <li>• This analysis has been used to establish the trigger levels that will automatically result in OWASA's implementation of the various Water Shortage stages and associated restrictions.</li> </ul> |

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|              |                        | <p><b>Year-Round Requirements, Policy, and Practice</b></p> <p>Exterior Use: The following outdoor or exterior use requirements shall apply to all customers using OWASA-supplied potable water:</p> <ul style="list-style-type: none"> <li>• Spray irrigation shall not occur more than three days per week. Even-numbered properties may be irrigated with spray systems only on Sundays, Wednesdays, and/or Fridays. Odd-numbered properties may be irrigated with spray systems only on Tuesdays, Thursdays, and/or Saturdays. All spray irrigation shall occur only between the hours of 6:00 p.m. and 10:00 a.m. and shall apply no more than one inch of water in any given week. These restrictions shall not apply to properties using underground, drip irrigation, micro spray, low precipitation bubblers, soaker hoses, hand watering, tree, or shrub watering bags, or where watering of containerized plants and commercial plant stock in trade is maintained for resale.</li> <li>• All irrigation systems shall be equipped with automatic controllers that activate the system according to a desired frequency and duration and shall also be equipped with rain or soil moisture sensors that will prevent irrigation during periods of rainfall or when there is sufficient moisture in the ground for plant health and survival.</li> <li>• All hoses used for hand watering, vehicle washing, or other allowable outdoor uses shall be equipped with shutoff nozzles.</li> <li>• No exterior use of OWASA-supplied potable water shall result in the flow of water onto adjacent property or public right-of-way, and all irrigation systems shall be designed and maintained to prevent to the extent practicable water from flowing onto paved or other impervious surfaces.</li> <li>• Outdoor water leaks on property or facilities of OWASA customers shall be repaired within ten (10) days of discovery by the customer and/or notification by OWASA.</li> <li>• Owners of public purpose athletic fields, recreational fields, and/or public purpose botanical sites shall not be subject to the year-round limitations of III.A.1.a-e if those facilities are operated in compliance with an OWASA-approved Water Conservation Plan that specifies the conservation measures and irrigation operating modes to be employed at that facility year-round and during successive stages of a declared water shortage.</li> <li>• Unless superseded by the declaration of a Water Supply Shortage or Emergency, the year-round requirements of III.A.1.a and III.A.1.b above shall not apply to the following: <ul style="list-style-type: none"> <li>○ Outdoor irrigation necessary for the establishment of newly sodded or seeded lawns and for the establishment of new non-turf plant materials within the first 45 days of planting, provided that such irrigation occurs only between the hours of 6:00 p.m. and 10:00 a.m.</li> <li>○ Irrigation necessary for one day only where treatment with an application of chemicals requires immediate watering to preserve an existing landscape or to establish a new landscape, provided that such irrigation occurs only between the hours of 6:00 p.m. and 10:00 a.m.</li> <li>○ Water used to control dust or to compact soil when alternate methods are not available.</li> <li>○ Visually supervised operation of watering systems for short periods of time to check system condition and effectiveness.</li> <li>○ Water used for construction or maintenance activities where the application of water is the appropriate methodology and where no other practical alternative exists.</li> <li>○ Water used for firefighting, firefighter training, fire hose testing, fire pumper testing, and other emergency situation mitigation purposes.</li> </ul> </li> <li>• For situations in which there is no practical alternative, OWASA-supplied potable water may be used for other special purposes, such as washing out garbage trucks, cleaning up hazardous or unsanitary materials, etc., or for other purposes necessary to protect public health, safety, and welfare provided that such water is used in the least quantity needed to accomplish the task.</li> </ul> <p><b>Interior Use</b></p> <p>The following indoor or interior use requirements shall apply to all customers using OWASA-supplied potable water:</p> <ul style="list-style-type: none"> <li>• Restaurants and dining facilities shall serve water only upon request of the customer.</li> <li>• Hotels, motels, and other facilities providing sleeping accommodations shall change bed linens only upon request of the customer, or upon customer changeover, or every five days for long-term customers.</li> <li>• Indoor water leaks on property or facilities of OWASA customers shall be repaired within ten (10) days of discovery by the customer and/or notification by OWASA.</li> </ul> |

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|              |                        | <p>Unless superseded by the declaration of a Water Supply Shortage or Emergency, the year-round requirements of III.B.1. above shall not apply to the following:</p> <ul style="list-style-type: none"> <li>• Visually supervised operation and flushing of plumbing systems for short periods of time to check system condition and effectiveness.</li> <li>• Water used for construction or maintenance activities where the use of water is the appropriate methodology and where no other practical alternative exists.</li> </ul> <p><b>Year-Round Policy and Practice</b><br/> It shall be OWASA's policy and practice to publicize periodically water conservation methods, including but not limited to, methods of conserving water both indoors and outdoors; methods of collecting and storing harvested water in appropriate devices, such as rain barrels and cisterns; as well as information about the availability, feasibility and allowable uses of reclaimed water from OWASA. It shall be OWASA's policy to strongly encourage and promote the following voluntary conservation measures year- round, regardless of water supply conditions:</p> <ul style="list-style-type: none"> <li>• Operate dishwashers and clothes washers only when loaded to their maximum capacity or at water level settings appropriate for the size of the load.</li> <li>• Where not otherwise required, install ultra-low flow toilets, tank dams, flow restrictors (aerators) and low-flow showerheads.</li> <li>• Repair and maintain plumbing systems to prevent water leaks.</li> <li>• Use harvested rainwater and/or reclaimed water for indoor and outdoor purposes where allowable and practical.</li> </ul> <p><b>Determination of a Water Supply Shortage or Emergency</b><br/> <b>Drought Condition Shortage:</b> OWASA's drought response strategy and Water Supply Shortage declarations will be guided primarily by the risk that OWASA's water supplies will decline to 20% or less of total storage capacity within the next 12-month period. A Stage One Water Shortage declaration will generally correspond to a 2% (or greater) risk that reservoir levels will decline to 20% or less of total storage capacity within the next 12 months; provided, however, that in making such a determination, OWASA will also consider the actual and projected severity of the ongoing drought relative to historical droughts included in OWASA's water supply simulation models; existing and anticipated demand, including expected customer response to water use restrictions; availability of supplemental supplies, including water purchases from neighboring communities; regional water supply conditions, including, but not limited to, the concurrent drought response status of neighboring jurisdictions; guidance or directives from the State of North Carolina; and other elements of reasonable professional judgment and management.</p> <p>More severe Water Supply Shortage Stages will subsequently be declared if the risk level increases and/or if other factors indicate that further action is needed. Similarly, OWASA will reduce the severity of, or rescind, a Water Supply Shortage declaration as the risk level and related factors improve.</p> <p><b>Water Treatment, Storage, or Distribution Capacity Shortage</b><br/> In addition to conditions caused by drought, OWASA may declare a Water Supply Shortage or Emergency whenever customer demand – as averaged over three consecutive days – exceeds 85% of OWASA's capability of treating and delivering water. The stage and duration of such a Water Supply Shortage or Emergency shall be guided by the degree to which customer demands approach or exceed OWASA's capacity to meet those demands and by the degree to which conservation efforts successfully reduce short-term demands.</p> <p><b>Disasters and Catastrophic Equipment or Plant Failure Shortage</b><br/> Any other circumstances, including service losses caused by equipment or facility failure, human error, deliberate act, weather, or other natural disaster, which constrain OWASA's water supply, treatment, or distribution capacity to less than that reasonably needed by its customers, shall constitute a Water Supply Shortage up to and including a Water Supply Emergency, requiring immediate action by OWASA.</p> <p><b>Required Actions Under Water Supply Shortage or Emergency Conditions</b><br/> In the event of a water supply shortage, OWASA shall, using its best professional judgment, determine which of the following stages is the most appropriate response to the estimated level of risk considering factors in IV.A above.</p> |

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|              |                        | <p><b>Stage One (1) Water Shortage</b><br/> In the event that OWASA declares a Stage One Water Shortage, OWASA shall advise the Mayors of Carrboro and Chapel Hill and the Chair of the Orange County Board of Commissioners of its declaration and shall request that they issue Proclamations of a Stage One Water Supply Shortage. Upon OWASA's declaration of a Stage One Water Shortage, the following actions shall be taken with the goal of reducing overall water demand by 10%:</p> <ul style="list-style-type: none"> <li>• Spray irrigation of turf grass using OWASA-supplied potable water shall not occur more than one day per week with a maximum of one-half inch of water applied to plant material in any given week. Odd-numbered properties shall be allowed to spray irrigate only on Tuesdays; even-numbered properties shall be allowed to spray irrigate only on Thursdays. Spray irrigation of turf grass shall occur only between the hours of 6:00 p.m. and 10:00 a.m. Owners of public purpose athletic fields, recreational fields, and/or public purpose botanical sites shall not be subject to the limitations of this subsection V.A.1 if those facilities are operated in compliance with an OWASA-approved Water Conservation Plan.</li> <li>• Spray irrigation of non-turf plant materials may occur up to three days per week as provided under the year-round requirements specified in Section III.A.1.a.</li> <li>• Irrigation of non-turf plant materials by underground, drip irrigation, micro spray, low precipitation bubblers, soaker hose systems with automatic shutoffs, or by handheld hoses or watering cans may occur at any time or frequency.</li> <li>• Notwithstanding the restrictions specified in Sections V.A.1 through V.A.3, the protection of public health, safety, and welfare may, under special circumstances, require the use of limited amounts of OWASA-supplied potable water for such purposes as washing out garbage trucks, cleaning up hazardous or other materials. Such uses shall be permitted during declared Water Shortages or Emergencies, provided that other practical alternatives are not available and water is used in the least practical amount.</li> </ul> <p><b>Stage Two (2) Water Shortage</b><br/> In the event that OWASA declares a Stage Two Water Shortage, OWASA shall advise the Mayors of Carrboro and Chapel Hill and the Chair of the Orange County Board of Commissioners of its declaration and shall request that they issue Proclamations of a Stage Two Water Supply Shortage, if not already issued. Upon OWASA's declaration of a Stage Two Water Shortage, the following actions shall be taken with the goal of reducing overall water demand by 15%:</p> <ul style="list-style-type: none"> <li>• Spray irrigation of turf grass with OWASA-supplied potable water shall not be permitted, except at public purpose athletic and recreational fields and public purpose botanical sites operating under OWASA-approved Water Conservation Plans.</li> <li>• Spray irrigation of non-turf plant materials shall not occur more than one day per week according to the schedule specified in Section V.A.1 and in quantities of no more than ½ inch per week, except at public purpose botanical sites operating under OWASA- approved Water Conservation Plans.</li> <li>• Irrigation of non-turf plant material by underground, drip irrigation, micro spray, low precipitation bubblers, soaker hose systems with automatic shutoffs, tree or shrub watering bags, or by hand held hoses or watering cans may occur at any time or frequency.</li> <li>• No OWASA-supplied potable water shall be used to re-fill ornamental fountains, ponds, and like devices; provided, however, that OWASA water may be used to fill and re-fill bird baths and other backyard-scale facilities used to support wildlife.</li> <li>• No OWASA-supplied potable water shall be used for washing vehicles, except at commercial or institutional car washes in which at least 50% of the water has either been recycled, is from a non- potable source, or is supplied by a well.</li> <li>• No OWASA-supplied potable water shall be used for cleaning or washing exterior building surfaces, decks, or paved areas, such as sidewalks, driveways, roadways, and parking lots. This restriction shall not apply to the cleaning of exterior building surfaces or decks prior to painting or re-painting.</li> <li>• No OWASA-supplied potable water shall be used for fire department training or equipment testing unless required by State or Federal regulations.</li> <li>• Notwithstanding the restrictions specified in Sections V.B.1 through V.B.7, the protection of public health, safety, and welfare may, under special circumstances, require the use of limited amounts of OWASA-supplied potable water for such purposes as washing out garbage trucks, cleaning up hazardous or other materials.</li> <li>• Such uses shall be permitted during declared Water Shortages or Emergencies, provided that other practical alternatives are not available and water is used in the least practical amount.</li> </ul> |

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|              |                        | <p><b>Stage Three (3) Water Shortage</b><br/> In the event that OWASA declares a Stage Three Water Shortage, OWASA shall advise the Mayors of Carrboro and Chapel Hill and the Chair of the Orange County Board of Commissioners of its declaration and shall request that they issue Proclamations of a Stage Three Water Supply Shortage, if not already issued. Upon OWASA's declaration of a Stage Three Water Shortage, the following actions shall be taken with the goal of reducing overall water demand by 20%:</p> <ul style="list-style-type: none"> <li>• The use of OWASA-supplied potable water for heating and/or cooling purposes shall be reduced in all but the most essential facilities to the extent practical in consideration of indoor air quality standards, weather conditions, and health and safety requirements.</li> <li>• No OWASA-supplied potable water shall be used for irrigation of turf grass, except for public purpose athletic and/or recreational fields and public purpose botanical sites operating under water conservation plans that have been approved by OWASA's Executive Director or by his/her designee.</li> <li>• No OWASA-supplied potable water shall be used for irrigating non-turf plant material unless applied (a) via hand held hoses or watering cans, watering bags, drip irrigation or soaker hoses, or (b) at public purpose botanical sites operating under OWASA-approved Water Conservation Plans.</li> <li>• OWASA-supplied potable water may be used to fill, re-fill, or top off swimming pools, or to fill or re-fill bird baths and other backyard-scale facilities used to support wildlife. OWASA supplied potable water shall not be used for any other outdoor purposes, except for emergency fire suppression or other activities necessary to maintain public health, safety, or welfare.</li> <li>• No bulk sale of potable OWASA water shall occur except for the wholesale transmission of potable OWASA water to neighboring communities, or for other purposes necessary to maintain public health, safety, or welfare.</li> <li>• No OWASA-supplied potable water may be used for washing any vehicles.</li> <li>• No OWASA-supplied potable water may be used for pressure washing building exteriors.</li> <li>• No OWASA-supplied potable water may be used for fire department training or equipment testing.</li> <li>• Notwithstanding the restrictions specified in Sections V.C. 1 through V.C.8, the protection of public health, safety, and welfare may, under special circumstances, require the use of limited amounts of OWASA-supplied potable water for such purposes as washing out garbage trucks, cleaning up hazardous or other materials. Such uses shall be permitted during declared Water Shortages or Emergencies, provided that other practical alternatives are not available and water is used in the least practical amount.</li> </ul> <p><b>Water Supply Emergency</b><br/> In the event that OWASA declares a Water Supply Emergency, OWASA shall so advise the Mayors of Carrboro and Chapel Hill and the Chair of the Orange County Board of Commissioners and shall request the issuance of a Proclamation of a Water Supply Emergency. In addition to those applicable measures listed above for a Stage Three Water Shortage, the following actions shall be taken upon OWASA's declaration of a Water Supply Emergency:</p> <ul style="list-style-type: none"> <li>• No OWASA-supplied potable water may be used for any outdoor purposes other than emergency fire suppression or other activities necessary to maintain public health, safety, or welfare.</li> <li>• No OWASA-supplied potable water shall be used to fill, refill or top off the water level in any private or public purpose swimming pool.</li> <li>• No OWASA-supplied potable water shall be used for the flushing or pressure testing of new distribution lines unless that water is returned to the OWASA water supply system through methods approved by OWASA. This restriction shall not apply to the testing of in-building fire control sprinkler systems</li> <li>• The use of OWASA-supplied potable water for heating and/or cooling purposes shall be reduced in all but the most essential facilities to the extent practical in consideration of indoor air quality standards, weather conditions, and health and safety requirements.</li> <li>• Water service may be discontinued or reduced to designated users or in designated portions of the OWASA service area in order to preserve the availability of water for essential public health and safety requirements, such as fire protection, hospitals, clinics, and other critical community needs.</li> </ul> |

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| Pittsboro                                                | Chatham County<br>Code of Ordinances,<br>Title V, Chapter 51 | <p><b>Year-round practices shall include:</b><br/>Automatic irrigation shall be regulated according to the following attached schedule and time: (see attachment)</p> <ul style="list-style-type: none"> <li>• All irrigation is limited to 1 inch per week.</li> <li>• Automatic controllers or moisture sensors are required on all irrigation systems.</li> <li>• Wasteful water use is prohibited. Non-beneficial uses include, but are not limited to: <ul style="list-style-type: none"> <li>◦ Landscape water applied in such a manner, rate and/or quantity that it overflows the landscaped area being watered and runs onto adjacent property or public right-of-way; or landscape water applied during periods of rainfall or when soil moisture is already adequate.</li> <li>◦ The use of water for washing vehicles, equipment, or hard surfaces, such as parking lots, aprons, pads, driveways, or other surfaced areas, in such quantities to flow onto adjacent property or the public right-of-way</li> <li>◦ Water applied in sufficient quantity to cause ponding on impervious surfaces.</li> <li>◦ Water lost through plumbing leaks that can be readily identified and corrected.</li> </ul> </li> <li>• Water leaks on property or facilities of Chatham County customers must be repaired within ten (10) days of discovery.</li> </ul> <p>Unless superseded by the declaration of a water supply shortage or emergency, the year-round requirements outlined above shall not apply to the following:</p> <ul style="list-style-type: none"> <li>• Outdoor irrigation necessary for the establishment of newly sodded or seeded lawns and landscaping within the first 30 days of planting.</li> <li>• Irrigation necessary for one day only where treatment with an application of chemicals requires immediate watering to preserve an existing landscape or to establish a new landscape.</li> <li>• Water used to control dust or to compact soil when alternate methods are not available.</li> <li>• Visually supervised operation of watering systems for short periods of time to check system condition and effectiveness.</li> <li>• Water applied to prevent or abate health, safety, or accident hazards where alternate methods are not available.</li> <li>• Water used for construction or maintenance activities where the application of water is the appropriate methodology and where no practical alternative exists.</li> <li>• Water used for firefighting, firefighter training, fire hose testing, fire pumper testing, and other emergency situation mitigation purposes.</li> <li>• For situations in which there is no practical alternative, Chatham County-supplied potable water may be used for other special purposes, such as washing out garbage trucks, cleaning up hazardous or unsanitary materials, etc., or provided that such water is used in the least quantity needed to accomplish the task.</li> </ul> |
| Wilmington /<br>Cape Fear<br>Public Utility<br>Authority | Code of Ordinances<br>Chapter 3,<br>Section 3-1 to 3-9       | <p><b>Waste or misuse of water:</b><br/>No person shall intentionally waste or misuse potable water.</p> <p><b>Declaration of water emergency:</b><br/>The Executive Director or designee is authorized to declare that a water emergency exists. Depending on the severity of the emergency, staged water use restrictions as described in this article shall be imposed upon all water customers.</p> <p><b>Staged water use restrictions:</b><br/><b>Normal conditions:</b> Water conservation measures and best management practices are encouraged at all times. To implement such practices, persons shall:</p> <ul style="list-style-type: none"> <li>• Inspect and repair all faulty and defective parts of faucets and toilets.</li> <li>• Inspect and repair all faulty and defective parts of sprinklers, hoses, and outdoor spigots.</li> <li>• Turn off faucets running during shaving, brushing teeth, rinsing or preparing food.</li> <li>• Limit the use of clothes washers and dishwashers. When used, operate fully loaded.</li> <li>• Install water saving showerheads, faucet aerators, and other water saving devices.</li> <li>• Equip all hoses with nozzles or trigger devices.</li> <li>• Water lawns and gardens only when necessary; take rainfall events into account and avoid over-watering.</li> <li>• Limit showers to five minutes or less.</li> <li>• Install water saving devices in toilets such as early closing flappers.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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|              |                        | <ul style="list-style-type: none"> <li>• Not use water from a public or private fire hydrant except for firefighting and fire protection purposes; testing or training purposes with adequate notification; approved flushing of water/sewer lines to protect public health and safety; authorized use by special use permit holders; for other public emergency or as authorized by the Executive Director or designee.</li> </ul> <p><b>Stage 1:</b> A Stage 1 water emergency shall be declared if water use under the normal conditions and voluntary water conservation best management practices have not resulted in sufficient reduction of the average day customer water demand from the water distribution systems; or, when LCFWASA declares a Stage 1 raw water emergency; or when there are five consecutive days when CFPWA customer water demand exceeds 85 percent of the water production capacity; or it is necessary to implement additional mandatory water use rules to protect the public health, safety, and welfare through the provision of adequate water for essential water use; or the declaration of a D1 drought has been issued. During a declared Stage 1 water emergency the following water conservation measures shall be in effect:</p> <ul style="list-style-type: none"> <li>• Irrigation water must be applied slowly to achieve deep penetration and prevent water run-off. Overspray and direct watering of impervious surfaces such as streets, parking lots, driveways, and sidewalks is prohibited.</li> <li>• Automatic spray irrigation and non-automatic spray irrigation systems: <ul style="list-style-type: none"> <li>◦ May be used between 12:00 midnight and 6:00 a.m.</li> <li>◦ Properties with odd-numbered addresses (ending in one, three, five, seven, or nine) may irrigate on Tuesday, Thursday, and Saturday.</li> <li>◦ Properties with even-numbered addresses (ending in zero, two, four, six, or eight) may irrigate on Wednesday, Friday, and Sunday.</li> <li>◦ No irrigation is allowed on Monday.</li> </ul> </li> <li>• Non-spray hose end sprinklers: <ul style="list-style-type: none"> <li>◦ May be used between 6:00 a.m. and 10:00 a.m.; 6:00 p.m. and 10:00 p.m.</li> <li>◦ Properties with odd-numbered addresses (ending in one, three, five, seven or nine) may irrigate on Tuesday, Thursday, and Saturday.</li> <li>◦ Properties with even-numbered addresses (ending in zero, two, four, six or eight) may irrigate on Wednesday, Friday, and Sunday.</li> <li>◦ No irrigation is allowed on Monday.</li> </ul> </li> <li>• Hand-held hose end watering devices used for irrigation or cleaning purposes must be equipped with a nozzle or trigger device and are allowed at any time.</li> <li>• Low volume drip irrigation is allowed any time.</li> <li>• The watering restrictions shall not apply to: <ul style="list-style-type: none"> <li>◦ Properties that do not use water from a public water system for landscape irrigation;</li> <li>◦ Watering of commercial containerized plants and commercial plant stock in trade maintained for sale;</li> <li>◦ Visually supervised operation of watering systems for short periods of time to check system conditions and routine maintenance of system;</li> <li>◦ New lawns and landscapes.</li> <li>◦ Large commercial, industrial, institutional irrigation systems or golf courses that have received prior approval of a submitted 10% reduction plan.</li> </ul> </li> <li>• Using water from a public or private fire hydrant is prohibited except for firefighting and fire protection purposes; testing or training purposes with adequate notification; approved flushing of water/sewer lines to protect public health and safety; authorized use by special use permit holders; for other public emergency or as authorized by the Executive Director or designee.</li> <li>• Using water from a public or private fire hydrant is prohibited except for firefighting and fire protection purposes; testing or training purposes with adequate notification; approved flushing of water/sewer lines to protect public health and safety; authorized use by special use permit holders; for other public emergency or as authorized by the Executive Director or designee.</li> <li>• Lawn/landscape chemical application: Irrigation for a maximum of one day when treatment with an application of chemicals requires immediate watering to preserve the existing landscape or to establish a new landscape.</li> <li>• Restaurants, eating/drinking establishments: no restrictions.</li> </ul> |

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|              |                        | <ul style="list-style-type: none"> <li>Swimming pools, wading pools, hot tubs, pas, whirlpool tubs: no restrictions.</li> <li>Pressure washing: no restrictions.</li> <li>Vehicle washing: no restrictions.</li> <li>Fountains, artificial waterfalls, misting machines, reflecting pools, ornamental ponds: no restrictions.</li> <li>Non-essential use, leaks, and water waste: prohibited.</li> </ul> <p><b>Stage 2:</b> A Stage 2 water emergency shall be declared in the event of an immediate water shortage; or when LCFWASA declares a Stage 2 raw water emergency; or when there are three consecutive days when CFPWA customer water demand exceeds 90% of the water production capacity; or, it is necessary to implement additional mandatory water use rules to protect the public health, safety, and welfare through the provision of adequate water for essential water use; or the declaration of a D2 drought has been issued. During a declared Stage 2 water emergency the following water conservation measures shall be in effect:</p> <ul style="list-style-type: none"> <li>Irrigation water must be applied slowly to achieve deep penetration and prevent water run-off. Overspray and direct watering of impervious surfaces such as streets, parking lots, driveways, and sidewalks is prohibited.</li> <li>Automatic spray irrigation and non-automatic spray irrigation systems: <ul style="list-style-type: none"> <li>May be used between 12:00 midnight and 6:00 a.m.</li> <li>Properties with odd-numbered addresses (ending in one, three, five, seven, or nine) may irrigate on Tuesday, Thursday, and Saturday.</li> <li>Properties with even-numbered addresses (ending in zero, two, four, six, or eight) may irrigate on Monday and Thursday.</li> </ul> </li> <li>Non-spray hose end sprinklers: <ul style="list-style-type: none"> <li>May be used between 6:00 p.m. and 10:00 p.m.</li> <li>Properties with odd-numbered addresses (ending in one, three, five, seven, or nine) may irrigate on Tuesday and Friday.</li> <li>Properties with even-numbered addresses (ending in zero, two, four, six, or eight) may irrigate on Wednesday, Friday, and Sunday.</li> <li>No irrigation is allowed on Monday.</li> </ul> </li> <li>Non-spray hose end sprinklers: <ul style="list-style-type: none"> <li>May be used between 6:00 a.m. and 10:00 p.m.</li> <li>Properties with odd-numbered addresses (ending in one, three, five, seven or nine) may irrigate on Tuesday, Thursday, and Saturday.</li> <li>Properties with even-numbered addresses (ending in zero, two, four, six or eight) may irrigate on Wednesday, Friday, and Sunday.</li> <li>No irrigation is allowed on Monday.</li> </ul> </li> <li>Hand-held hose end watering devices for irrigation purposes must be equipped with a nozzle or trigger device.</li> <li>Low volume drip irrigation is allowed any time.</li> <li>The watering restrictions shall not apply to: <ul style="list-style-type: none"> <li>Properties that do not use water from a public water system for landscape irrigation;</li> <li>Watering of commercial containerized plants and commercial plant stock in trade maintained for sale;</li> <li>Visually supervised operation of watering systems for short periods of time to check system conditions and routine maintenance of system;</li> <li>Large commercial, industrial, institutional irrigation systems or golf courses that have received prior approval of a submitted 30% reduction plan.</li> <li>Commercial or residential customers may obtain a 30-day new lawn/landscape establishment permit from the Water Treatment Division for the purpose of establishing new plantings. New plantings, for the purpose of this permit, are defined as the installation of new sod to the entire yard, whole yard first seeding, or large commercial plantings. The permit will be applicable during the installation and for 30 days from substantial completion of the installation. Upon expiration of 30-day establishment period, the customer must establish a watering schedule that follows the restrictions of the water emergency stage that is currently declared.</li> </ul> </li> </ul> |

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|              |                        | <ul style="list-style-type: none"> <li>• Hand-held hose end watering devices for cleaning purposes must be equipped with nozzle or trigger device. Commercial users may wash down surfaces when necessary to preserve public health and safety. Residential use is limited to Saturday and Sunday only for purposes of public health and safety.</li> <li>• Using water from a public or private fire hydrant is prohibited except for firefighting and fire protection purposes; testing or training purposes with adequate notification; approved flushing of water/sewer lines to protect public health and safety; authorized use by special use permit holders; for other public emergency or as authorized by the Executive Director or designee.</li> <li>• Lawn/landscape chemical application: Irrigation for a maximum of one day when treatment with an application of chemicals requires immediate watering to preserve the existing landscape or to establish a new landscape.</li> <li>• Restaurants, eating/drinking establishments: no restrictions.</li> <li>• Swimming pools, wading pools, hot tubs, pas, whirlpool tubs: Topping off pools, hot tubs, spas, etc., using minimal amount necessary to maintain structural integrity and filtration system is allowed. No pool filling is allowed.</li> <li>• Pressure washing: no restrictions.</li> <li>• Vehicle washing: no restrictions.</li> <li>• Fountains, artificial waterfalls, misting machines, reflecting pools, ornamental ponds: no restrictions.</li> <li>• Non-essential use, leaks, and water waste: prohibited.</li> </ul> <p><b>Stage 3:</b> A Stage 3 water emergency shall be declared in the event of an immediate water shortage; or when LCFWASA declares a Stage 3 raw water emergency; or when there are five consecutive days when CFPUA customer water demand exceeds 90% of the water production capacity; or, it is necessary to implement additional mandatory water use rules to protect the public health, safety, and welfare through the provision of adequate water for essential water use; or the declaration of a D3 drought has been issued. During a declared Stage 3 water emergency the following water conservation measures shall be in effect:</p> <ul style="list-style-type: none"> <li>• Automatic spray irrigation and non-automatic spray irrigation systems: prohibited</li> <li>• Non-spray hose end sprinklers: prohibited.</li> <li>• Hand-held hose end watering devices for irrigation purposes: prohibited.</li> <li>• Low volume drip irrigation: prohibited.</li> <li>• The watering restrictions shall not apply to: <ul style="list-style-type: none"> <li>◦ Properties that do not use water from a public water system for landscape irrigation;</li> <li>◦ Watering of commercial containerized plants and commercial plant stock in trade maintained for sale;</li> <li>◦ Visually supervised operation of watering systems for short periods of time to check system conditions and routine maintenance of system;</li> <li>◦ Large commercial, industrial, institutional irrigation systems or golf courses that have received prior approval of a submitted 50% reduction plan.</li> <li>◦ Commercial or residential customers may obtain a 30-day new lawn/landscape establishment permit prior to the issuance of the Stage 3 advisory may irrigate any day for 30 days. New plantings, for the purpose of this permit, are defined as the installation of new sod to the entire yard, whole yard first seeding, or large commercial plantings. The permit will be applicable during the installation and for 30 days from substantial completion of the installation. Upon expiration of 30-day establishment period, the customer must establish a watering schedule that follows the restrictions of the water emergency stage that is currently declared. No new permits will be issued after the declaration of a Stage 3 advisory.</li> </ul> </li> <li>• Hand-held hose end watering devices for cleaning purposes: prohibited.</li> <li>• Swimming pools, wading pools, hot tubs, pas, whirlpool tubs: Those that use recycled or non-potable water may continue to operate. Non-recyclable units may use minimum amount of make-up water necessary to maintain aquatic life. Topping off pools, hot tubs, spas, etc., using the minimum amount necessary to maintain structural integrity and filtration system is allowed. No pool filling is allowed.</li> <li>• Using water from a public or private fire hydrant is prohibited except for firefighting and fire protection purposes; testing or training purposes with adequate notification; approved flushing of water/sewer lines to protect public health and safety; authorized use by special use permit holders; for other public emergency or as authorized by the Executive Director or designee.</li> <li>• Lawn/landscape chemical application: prohibited</li> </ul> |

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|              |                        | <ul style="list-style-type: none"> <li>• Pressure washing: Commercial use or maintenance and/or sanitary and health purposes is allowed; washing horizontal surfaces is prohibited except in the preparation for painting, recoating or sealing. Residential use is prohibited.</li> <li>• Restaurants, eating/drinking establishments: Drinking water is prohibited unless requested by a customer.</li> <li>• Vehicle washing: residential washing prohibited.</li> <li>• Commercial car washes: Operating commercial car washes that utilize the industry's best management practices for the efficient use of water and those that recycle, reclaim, or reuse a portion of their wash water are allowed. Those that do not recycle water must reduce total water consumption by 20 percent from the previous month. Car dealerships may clean vehicles, using less than five gallons of water per vehicle, in preparation for display in a dealer's showroom, upon receipt from manufacturer or prior owner, and following a sale prior to delivery to the purchaser. Cleaning of construction, emergency, transport, or public transportation vehicles is allowed if necessary to preserve proper functioning and safe operation of vehicle.</li> <li>• Flushing boat engines is allowed if necessary to preserve the proper functioning and safe operation.</li> <li>• Fountains, artificial waterfalls, misting machines, reflecting pools, ornamental ponds that use recycled or non-potable water may continue to operate. Non-recyclable units may use minimum amount of make-up water necessary to maintain aquatic life.</li> <li>• Using potable water to control or compact dust is prohibited.</li> </ul> <p><b>Stage 4:</b> A Stage 4 water emergency shall be declared in the event of an immediate water shortage; or when LCFWASA declares a Stage 4 raw water emergency; or when there is one day when CFPWA customer water demand exceeds 100% of the water production capacity; or, it is necessary to implement additional mandatory water use rules to protect the public health, safety, and welfare through the provision of adequate water for essential water use; or the declaration of a D4 drought has been issued. During a declared Stage 4 water emergency the following activities shall be prohibited:</p> <ul style="list-style-type: none"> <li>• Irrigation uses from the public water supply, including: <ul style="list-style-type: none"> <li>◦ Watering by automatic spray irrigation and non-automatic spray irrigation systems;</li> <li>◦ Watering by hose end sprinklers;</li> <li>◦ Watering by hand-held hoses;</li> <li>◦ Watering by low volume drip irrigation;</li> <li>◦ The watering restrictions shall not apply to low volume drip irrigation for watering of commercial containerized plants and commercial plant stock in trade maintained for sale.</li> </ul> </li> <li>• No new lawn/landscape establishment permits will be issued after the declaration of a Stage 4 advisory. Active permits and those issued prior to the declaration of a Stage 4 advisory will be honored if deemed practical by the Executive Director or designee.</li> <li>• Large commercial, industrial, institutional irrigation systems or irrigation of golf courses are prohibited.</li> <li>• Using hand-held hoses for cleaning purposes is prohibited.</li> <li>• Filling of newly constructed or existing swimming pools, wading pools, hot tubs, spas, whirlpool tubs; topping off pools, hot tubs, spas, etc., is prohibited.</li> <li>• Using water from a public or private fire hydrant is prohibited except for firefighting and fire protection purposes. Flushing of water/sewer lines to protect public health and safety requires approval by the Executive Director or designee. No water is to be used by special water use permittees unless authorized by the Executive Director or designee.</li> <li>• Lawn/landscape chemical application: Prohibited.</li> <li>• Commercial and residential pressure washing.</li> <li>• Serving drinking water in restaurants or eating/drinking establishments is prohibited.</li> <li>• Washing vehicles at any location is strictly prohibited.</li> <li>• Use of potable water for fountains, artificial waterfalls, misting machines, reflecting pools, and ornamental ponds is prohibited.</li> <li>• Using potable water to control or compact dust is prohibited.</li> <li>• Operating water-cooled air conditioners or other equipment that does not recycle cooling water is prohibited, except when health and safety are adversely affected.</li> </ul> |