

OVERVIEW OF WATER SYSTEM

Section 1. PURPOSE

The purpose of this policy is to explain the water system development requirements of the Bedford Regional Water Authority (“Authority”).

Section 2. POLICY

- A. All water design and construction shall be in accordance with the Connections, System Development, Water System, and Engineering chapters of the Authority’s Operating Policy Manual in their entirety.
- B. All water systems shall be designed and sized so as to provide fire flow capabilities under peak demand conditions (min 500 gpm).
- C. All water systems shall provide fire hydrant installations such that no lot is greater than 500 feet from a fire hydrant.
- D. Where insufficient system pressure and flow exist to provide for a minimum of 500 gpm fire flow under peak demand conditions, no fire hydrants may be installed. All necessary valving must be installed at proper intervals to allow for future hydrant installation by the Authority when suitable hydraulic conditions exist. Funds equal to the cost of the hydrants plus a nominal labor charge must be deposited in a special escrow account to provide for this future installation.
- E. All water services shall provide a minimum pressure of 20 psi at the meter connection. This is a requirement regulated by the Virginia Department of Health.
- F. No more than one (1) parcel shall be served by a single domestic water meter. Multiple parcels require multiple meter connections for domestic water supply.
- G. No more than one (1) parcel shall be served by a single water meter for irrigation or fire suppression purposes, except when managed by a registered association in which all affected parcels are members.
- H. All water connections shall be metered for both fire and domestic usage. Waterlines used for fire suppression with only detection meters in place will be required to install appropriate fire meter assemblies per current Authority standards and specifications upon any revisions to the development including, but not limited to, expansion, renovation, and change of use.

Section 3. REVISIONS

- A. This policy was approved and adopted by the Authority’s Board of Directors on April 23, 2013, effective July 1, 2013.

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- B. This policy was modified as follows:
 - 1. Approved October 18, 2022, effective October 19, 2022:
 - a. Section 2.G was added to clarify requirements for irrigation and fire suppression meters.
 - b. Section 2.H was added to clarify metering requirements.