This policy is promulgated in accordance with Section 104.1 of the 2018 International Fire Code and is an official interpretation of Section 507.4 of the 2018 International Fire Code and NFPA 13: 23.2.1.1.

The following shall apply to new construction and modifications to existing sprinkler systems:
Available water supply information is required to be submitted with all sprinkler submittals that require hydraulic calculations. Provide one of the following options as a part of the Des Moines Fire Prevention Bureau’s policy on water flow testing or modeling:

1.) The water flow test results are within the 3 years of the fire sprinkler submittal date, submit the information with the plan submittal.

2.) A computer modeled water supply calculation by Des Moines Water Works (DMWW) is acceptable when a water flow test is impossible or impractical. This calculation shall be adjusted for seasonal fluctuations so that the lowest available values are used for the sprinkler system design. Provide calculation from DMWW with the plan submittal.

Any comments or questions regarding the above information may be submitted to:

Office of the Fire Protection Engineer
City of Des Moines Fire Department
Fire Prevention Bureau
2715 Dean Avenue
Des Moines, Iowa 50317
Office: (515) 237-1316
Fax: (515) 283-4907
Email: firedept@dmgov.org