

INSURANCE SERVICES OFFICE, INC.  
HYDRANT FLOW DATA SUMMARY

Community Independence Fpsa

County Iowa(Buchanan),

State IOWA (14)

Witnessed by: Insurance Services Office

Survey Date: September 14, 2024

TEST NO.	TYPE DIST.*	TEST LOCATION	SERVICE	FLOW - GPM $Q=(29.83(C(d^2)p^{0.5}))$				PRESSURE PSI		FLOW -AT 20 PSI		REMARKS***	MODEL TYPE	FLOW TEST DATE
				INDIVIDUAL HYDRANTS		TOTAL		STATIC	RESID.	NEEDED **	AVAIL.			
1		5th Ave NE & 10th St NE	Independence Water Department, Main	580	0	0	580	60	55	5000	1800	(D)-(4884 gpm)	FTPC	09/18/2024
1.1		5th Ave NE & 10th St NE	Independence Water Department, Main	580	0	0	580	60	55	4000	1800		FTPC	09/18/2024
1.2		5th Ave NE & 10th St NE	Independence Water Department, Main	580	0	0	580	60	55	2500	1800		FTPC	09/18/2024
2		8th Ave NW & 3rd St NW	Independence Water Department, Main	1060	0	0	1060	70	65	6000	3700	(D)-(4884 gpm)	FTPC	09/18/2024
2.1		8th Ave NW & 3rd St NW	Independence Water Department, Main	1060	0	0	1060	70	65	3000	3700		FTPC	09/18/2024
3		Bland Ave & Liberty Trail	Independence Water Department, Main	1060	0	0	1060	70	65	7000	3700	(D)-(4884 gpm)	FTPC	09/14/2024
3.1		Bland Ave & Liberty Trail	Independence Water Department, Main	1060	0	0	1060	70	65	1500	3700		FTPC	09/14/2024
4		3rd Ave SE & 17th St SE	Independence Water Department, Main	1030	0	0	1030	70	65	5000	3600	(D)-(4884 gpm)	FTPC	09/14/2024
4.1		3rd Ave SE & 17th St SE	Independence Water Department, Main	1030	0	0	1030	70	65	4500	3600		FTPC	09/14/2024
4.2		3rd Ave SE & 17th St SE	Independence Water Department, Main	1030	0	0	1030	70	65	2500	3600		FTPC	09/14/2024
5		@ High School	Independence Water Department, Main	1060	0	0	1060	65	60	3500	3500		FTPC	09/14/2024
6		1st St & 13th St	Independence Water Department, Main	1060	0	0	1060	71	65	3500	3400		FTPC	09/14/2024
7		5th St SW & 6th Ave SW	Independence Water Department, Main	950	0	0	950	80	71	1500	2600		FTPC	09/14/2024
8		3rd Ave & 1st St E	Independence Water Department, Main	960	0	0	960	80	71	2500	2700		FTPC	09/14/2024
9		7th Ave SE & South of 5th St SE	Independence Water Department, Main	1190	0	0	1190	75	55	1500	2100		FTPC	09/14/2024
10		1201 12th St	Independence Water Department, Main	980	0	0	980	80	70	3500	2600		FTPC	09/14/2024

THE ABOVE LISTED NEEDED FIRE FLOWS ARE FOR PROPERTY INSURANCE PREMIUM CALCULATIONS ONLY AND ARE *NOT* INTENDED TO PREDICT THE MAXIMUM AMOUNT OF WATER REQUIRED FOR A LARGE SCALE FIRE CONDITION.

THE AVAILABLE FLOWS ONLY INDICATE THE CONDITIONS THAT EXISTED AT THE TIME AND AT THE LOCATION WHERE TESTS WERE WITNESSED.

\*Comm = Commercial; Res = Residential.

\*\*Needed is the rate of flow for a specific duration for a full credit condition. Needed Fire Flows greater than 3,500 gpm are not considered in determining the classification of the city when using the Fire Suppression Rating Schedule.

\*\*\* (A)-Limited by available hydrants to gpm shown. Available facilities limit flow to gpm shown plus consumption for the needed duration of (B)-2 hours, (C)-3 hours or (D)-4 hours.

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