## INSURANCE SERVICES OFFICE, INC. HYDRANT FLOW DATA SUMMARY

State IOWA (14)

Community Independence Fpsa

County Iowa(Buchanan),

				FLOW - GPM Q=(29.83(C(d <sup>2</sup> )p <sup>0.5</sup> ))				PRESSURE PSI		FLOW -AT 20 PSI				
TEST	TYPE	TEST LOCATION	SERVICE	INDIVIDUAL			TOTAL	STATIC	TIC RESID.	NEEDED	AVAIL.	REMARKS***	MODEL TYPE	FLOW TEST DATE
NO.	DIST.*		T. J J W7.4	HYDRANTS					**					
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		Sur Ave NE & Tour St NE	Independence Water	580	0	0	380	00	33	3000	1800	(D)-(4884 gpiii)	FIFC	09/18/2024
1.1		5th Ave NE & 10th St NE	Department, Main	580	0	0	580	60	55	4000	1800		FTPC	09/18/2024
1.1			Independence Water	500			500	00		1000	1000		1110	09/10/2021
1.2		5th Ave NE & 10th St NE	Department, Main	580	0	0	580	60	55	2500	1800		FTPC	09/18/2024
			Independence Water											
2		8th Ave NW & 3rd St NW	Department, Main	1060	0	0	1060	70	65	6000	3700	(D)-(4884 gpm)	FTPC	09/18/2024
			Independence Water											
2.1		8th Ave NW & 3rd St NW	Department, Main	1060	0	0	1060	70	65	3000	3700		FTPC	09/18/2024
			Independence Water											
3		Bland Ave & Liberty Trail	Department, Main	1060	0	0	1060	70	65	7000	3700	(D)-(4884 gpm)	FTPC	09/14/2024
			Independence Water											
3.1		Bland Ave & Liberty Trail	Department, Main	1060	0	0	1060	70	65	1500	3700		FTPC	09/14/2024
			Independence Water											
4		3rd Ave SE & 17th St SE	Department, Main	1030	0	0	1030	70	65	5000	3600	(D)-(4884 gpm)	FTPC	09/14/2024
			Independence Water											
4.1		3rd Ave SE & 17th St SE	Department, Main	1030	0	0	1030	70	65	4500	3600		FTPC	09/14/2024
1.2			Independence Water	1020	0		1020	70	65	2500	2(00		FTDC	00/14/2024
4.2		3rd Ave SE & 17th St SE	Department, Main Independence Water	1030	0	0	1030	70	65	2500	3600		FTPC	09/14/2024
5		(a) High School	Department, Main	1060	0	0	1060	65	60	3500	3500		FTPC	09/14/2024
5		@ High School	Independence Water	1000	0	0	1000	0.5	00	3300	3300		FIIC	03/14/2024
6		1st St & 13th St	Department, Main	1060	0	0	1060	71	65	3500	3400		FTPC	09/14/2024
0			Independence Water	1000			1000	, 1	0.5	5500	5100		1110	00/11/2021
7		5th St SW & 6th Ave SW	Department, Main	950	0	0	950	80	71	1500	2600		FTPC	09/14/2024
			Independence Water											
8		3rd Ave & 1st St E	Department, Main	960	0	0	960	80	71	2500	2700		FTPC	09/14/2024
			Independence Water											
9		7th Ave SE & South of 5th St SE	Department, Main	1190	0	0	1190	75	55	1500	2100		FTPC	09/14/2024
			Independence Water											
10		1201 12th St	Department, Main	980	0	0	980	80	70	3500	2600		FTPC	09/14/2024

Witnessed by: Insurance Services Office

Survey Date: September 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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Community	Independen	ce Fpsa			_									
County	Iowa(Bucha	anan),	State	IOWA (14)	WA (14) Witnessed by: Insurance Services Office Survey Date:									
													,	
					FLOW	- GPM		PRESSURE FLO			-AT 20 PSI			
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TEST	TYPE	TEST LOCATION	SERVICE	INDIVIDUAL			TOTAL	STATIC	RESID.	NEEDED	AVAIL.	REMARKS***	MODEL TYPE	FLOW TEST DATE
NO.	DIST.*			HYDRANTS						**				
			Independence Water				0.00	50	4.5	2250	2400		ETDC	00/14/2024
11		1st St East of 15th Ave NE	Department, Main	920	0	0	920	50	45	2250	2400		FTPC	09/14/2024
1.0			Independence Water						10		1.500			00/14/0004
12		14th St NE & 6th Ave NE	Department, Main	1010	0	0	1010	60	40	2000	1500		FTPC	09/14/2024
			Independence Water											
13		8th Ave NE & 5th St NE	Department, Main	860	0	0	860	61	50	1500	1800		FTPC	09/14/2024
			Independence Water											
14		2nd Ave NE & 10th St NE	Department, Main	650	0	0	650	69	64	2000	2200		FTPC	09/14/2024

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