

**CITY OF HAWARDEN
REGULAR CITY COUNCIL MEETING AGENDA
Hawarden City Hall – Council Chambers Room
Wednesday, September 23, 2020 at 5:30 p.m.**

Standard Agenda Items

- 1a. Approval of September 09, 2020 Council Meeting Minutes**
- 1b. Approval of September 23, 2020 Claims for Payment**
- 1c. Open business from the Community (limited to a maximum of 5 minutes per item)**
- 2a. Mayor’s Report**
- 2b. Staff Reports/Discussion**
- 2c. Council Comments**

Other Agenda Items

- 3. Adoption of the Hawarden Water Source Protection Plan.**
- 4. First Reading of Ordinance 727, An Ordinance Amending the Code of Ordinances of the City of Hawarden by Amending Provisions Pertaining to Non-Public Well or Water Supply System.**
- 5. Resolution 2020-35, A Resolution Accepting Real Property and Dedicating the Property for Public Use for Street Purposes and Designating the Property as 27th Street.**
- 6. Resolution 2020-36, Approval of the Annual Street Finance Report.**
- 7. Approval of the Final Pay Request for GM Contracting for the Utility Crossing Project.**
- 8. Approval of Pay Request Number 2 for Karian Peterson Powerline Contracting LLC for the South Feeder Conversion Project.**
- 9. Resolution 2020-37, A Resolution Requesting Reimbursement from the Iowa Covid-19 Government Relief Fund.**
- 10. Consent Agenda:**
 - a. Request from Brian Engleman, dba Sportsman’s, for a liquor license transfer to the Hawarden Community Center on Saturday, October 3, 2020.**
- 11. Adjournment**

Next regular council meeting October 14, 2020

City of Hawarden

Public Meeting Procedures

These Procedural rules are to provide for the orderly conduct of City business by the City Council, with the objective of providing for full, open and comprehensive debate of issues brought before the body for action in a forum open to the public, and which encourages citizens' awareness of City Council activities. These procedures do not increase or diminish the existing powers or authority of the Mayor or City Council members, but is intended merely to serve as a general set of guidelines to assist the governmental body in conducting City business.

House Rules:

- No food or drink other than bottled water may be brought into the Council Chambers.
- Cell phones and pagers should be silenced in the Council Chambers.
- Signs and placards are not permitted in the Council Chambers.

Citizens' Right To Be Heard:

It is the Council's goal that citizens resolve their complaints for service or regarding employees' performance at the staff level. However, it is recognized that citizens may from time to time believe it is necessary to speak to City Council on matters of concern. Accordingly, City Council expects any citizen to speak in a civil manner, with due respect for the decorum of the meeting, and with respect for all persons attending.

- No member of the public shall be heard until recognized by the presiding officer.
- Public comments will only be heard during the Public Comment portion of the meeting unless the issue is a Public Hearing.
- Speakers must stand at the dais and speak into the microphone, unless unable to do so, and state your name and address for the record.
- Any citizen requesting to speak shall limit himself or herself to matters of fact regarding the issue of concern.
- Comments should be limited to five (5) minutes unless prior approval by the presiding officer.
- If a representative is elected to speak for a group, the presiding officer may approve an increased time allotment.
- Personal attacks made publicly toward any citizen or city employee are not allowed. Citizens are encouraged to bring their complaints regarding employee performance through the supervisory chain of command in accordance with the City's Personnel policies.
- Any member of the public interrupting City Council proceedings, approaching the dais without permission, otherwise creating a disturbance, or failing to abide by these rules of procedure in addressing the City Council, shall be deemed to have disrupted a public meeting and, at the direction of the presiding officer, shall be removed from the Council Chambers by Police Department personnel or other agent designated by the City Council or City Administrator.

**UNAPPROVED MINUTES REGULAR CITY COUNCIL MEETING
HAWARDEN CITY HALL – COUNCIL CHAMBERS
Wednesday, September 9, 2020 at 5:30 p.m.**

The Council Meeting was called to order at 5:30 p.m.

Present: Council Members: Bergsma, Kurth, Olson, Klocke, Feldhacker

Absent: Mayor Porter

Staff Present: Mike DeBruin, City Administrator/City Clerk; Travis Waterman, Public Works Director; Jacob Stoner, Finance Officer; Larry Cope, Economic Development Director; Corey Utech, Chief of Police; Jim Pickner, City Attorney

Absent: None

Standard Agenda Items

1a. Approval of August 26, 2020 Regular Council Meeting and Planning Session Minutes.

Moved by Feldhacker/Kurth to approve.

Motion carried 5-0.

1b. Approval of September 9, 2020 Claims for Payment.

Moved by Kurth/Bergsma to approve.

Motion carried 5-0.

1c. No Open Business from the Community was held.

2a. No Mayor's Report was given.

2b. Staff Reports were given.

2c. No Council Comments were given.

Agenda Items

Item 3. Third Reading of Ordinance 724, An Ordinance Amending the Code of Ordinances of the City of Hawarden by Amending Provisions Pertaining to the Standard Penalty.

Moved by Kurth/Bergsma to approve.

Aye: Klocke, Bergsma, Kurth, Feldhacker, Olson

Nay: None

Motion carried 5-0.

Item 4. Third Reading of Ordinance 725, An Ordinance Amending the Code of Ordinances of the City of Hawarden by Amending Provisions Pertaining to Tobacco Use.

Moved by Klocke/Kurth to approve.

Aye: Feldhacker, Bergsma, Olson, Klocke, Kurth

Nay: None

Motion carried 5-0.

Item 5. Third Reading of Ordinance 726, An Ordinance Amending the Code of Ordinances of the City of Hawarden by Amending Provisions Pertaining to Animal Control.

Moved by Bergsma/Klocke to approve.

Aye: Bergsma, Kurth, Klocke, Olson, Feldhacker

Nay: None

Motion carried 5-0.

Item 6. Continued Discussion on Possible Local Option Sales Tax Sharing Agreement with Hawarden Regional Healthcare.

Discussion was held.

Item 7. Presentation of the Hawarden Water Source Protection Plan and Recommendations on an Ordinance Change.

Discussion was held.

Item 8. Consent Agenda

a. Request from Brian Engleman, dba Sportsman's Lanes & Lounge, for a Liquor License Transfer to the Hawarden Community Center on Saturday, September 19th, 2020.

Moved by Bergsma/Feldhacker to approve.

Motion carried 5-0.

Item 9. Adjournment.

Moved by Klocke/Bergsma to adjourn. Motion carried 5-0. Meeting adjourned at 5:43 p.m.

The next regular City Council Meeting will be Wednesday, Sept 23, 2020 @ 5:30 p.m.

ATTEST:

Travis Olson, Mayor Pro Tem

Michael De Bruin, City Administrator/City Clerk

CITY OF HAWARDEN
COUNCIL MEETIN
SEPTEMBER 23, 2020

DATE	CHECK NO	VENDOR NAME	REFERENCE	TOTAL
9/10/2020	56475	CO-OP GAS & OIL	REPAIR ST PLOW TRUCK	\$ 320.00
9/10/2020	56476	IOWA INFORMATION INC	RFQ PUBLICATION	\$ 82.04
9/10/2020	56477	NATIONAL CABLE TELEVISION	SUPPLIES	\$ 29.18
9/10/2020	56478	UNITED PARCEL SERVICE	SHIPPING	\$ 18.42
9/10/2020	56479	VERIZON	CELL SVC	\$ 146.59
9/18/2020	56480 THRU	PAYROLL		
9/18/2020	56484	PAYROLL		
9/18/2020	56485	ICMA-RC	457- ICMA	\$ 250.00
9/18/2020	56486	FLEX PLAN	URM/FLEX PLAN	\$ 1,258.91
9/18/2020	56487	CHILD SUPPORT PAYMENT CTR	GARNISHMENTS	\$ 573.69
9/18/2020	56488	AFSCME/IOWA COUNCIL 61	UNION DUES	\$ 301.28
9/18/2020	56489	CITY OF HAWARDEN	VOID	\$ -
9/18/2020	56490	CITY OF HAWARDEN	SELF-INS-FAM	\$ 720.00
9/23/2020	56491	905 ARRANGEMENTS	B-BOUQUET	\$ 13.91
9/23/2020	56492	ADAMS CABLE EQUIPMENT INC	SUPPLIES	\$ 438.00
9/23/2020	56493	AIRGAS USA LLC	CYLINDER RENTAL	\$ 68.82
9/23/2020	56494	ALTEC NUECO LLC	EL DIGGER DERICK	\$ 110,000.00
9/23/2020	56495	ANTHEM BCBS	AMB REIMBURSEMENT	\$ 349.66
9/23/2020	56496	AUREON NETWORK SERVICES	CALEA	\$ 128.02
9/23/2020	56497	BIG SIOUX EMBROIDERY	UNIFORM	\$ 48.00
9/23/2020	56498	BORDER STATES INDUSTRIES INC	SUPPLIES	\$ 261.75
9/23/2020	56499	CATALYST IT	TECH SERVICES SEPT SVC	\$ 2,636.85
9/23/2020	56500	CENTRAL CATERING	REIREMENT LUNCH	\$ 227.38
9/23/2020	56501	CENTRAL PARTS & SUPPLY	REBATE EL LIGHTING	\$ 1,654.09
9/23/2020	56502	CLIA LABORATORY PROGRAM	CERTIFICATE FEE	\$ 180.00
9/23/2020	56503	DIAMOND VOGEL & WAX CO	PAINT	\$ 279.48
9/23/2020	56504	DIGI-KEY ELECTRONICS	SUPPLIES	\$ 81.36
9/23/2020	56505	EMC INSURANCE COMPANIES	INS DEDUCTIBLE	\$ 1,300.00
9/23/2020	56506	TRACY ERICSON	REBATE EL LIGHTING	\$ 32.00
9/23/2020	56507	EVORA CONSULTING	ANNUAL SVCS FY21 LANDFILL	\$ 1,975.00
9/23/2020	56508	FELD FIRE	HYDROTEST BOTTLES SVC	\$ 140.00
9/23/2020	56509	GM CONTRACTING INC	UTILITY RELOCATION PROJECT	\$ 6,864.35
9/23/2020	56510	GRAINGER INC	SUPPLIES	\$ 372.94
9/23/2020	56511	HAWARDEN REGIONAL HEALTHCARE	SUPPLIES	\$ 273.31
9/23/2020	56512	HAWKINS INC	CHEMICALS	\$ 3,192.19
9/23/2020	56513	BRAD HOFLAND	09-19-20 CC SVC	\$ 100.00
9/23/2020	56514	MARY HULLEMAN	PD RETIREMENT BENEFIT	\$ 520.09
9/23/2020	56515	IOWA UTILITIES BOARD	IEC & CGRER ASSESSMENT	\$ 3,041.00
9/23/2020	56516	LIFESTYLE LANDSCAPE	MAINTENANCE	\$ 440.00
9/23/2020	56517	LIGHT AND SIREN	LIGHTS & MOUNT	\$ 1,120.00
9/23/2020	56518	MANGOLD ENVIRONMENTAL	LAB FEES	\$ 668.00
9/23/2020	56519	MOW & GLOW LAWN & FLOOR CARE	CC SVC	\$ 100.00

DATE	CHECK NO	VENDOR NAME	REFERENCE	TOTAL
9/23/2020	56521	MUNICIPAL UTILITIES	UTILITIES	\$ 14,651.01
9/23/2020	56522	NORTH AMERICAN NUMBERING PLAN	ANNUAL ADMIN FEE	\$ 50.00
9/23/2020	56523	O.C. SANITATION INC	PORTA-POT PARK	\$ 260.00
9/23/2020	56524	PARMIDA LED TECHNOLOGIES	LIGHTS	\$ 6,520.00
9/23/2020	56525	POLICE LEGAL SCIENCES	RENEW SUBSCRIPTION	\$ 480.00
9/23/2020	56526	PRECISION GRAPHICS	DECALS ST SNOW PLOW	\$ 240.00
9/23/2020	56528	QUILL CORPORATION	SUPPLIES	\$ 448.44
9/23/2020	56529	RACOM CORPORATION	VEHICLE UPFITTING	\$ 8,176.15
9/23/2020	56530	ROVI GUIDES INC	TV PROGRAMMING COST	\$ 608.79
9/23/2020	56531	SINCLAIR BROADCAST GROUP INC	RETRANSMISSION	\$ 1,994.99
9/23/2020	56532	SIOUXLAND DISTRICT HEALTH DEPT	LAB FEES	\$ 52.00
9/23/2020	56533	ROBIN SMITH	AMB REIMBURSEMENT	\$ 100.00
9/23/2020	56534	STATE HYGIENIC LABORATORY	LAB FEES	\$ 125.00
9/23/2020	56535	TRAVEL FUND	VOID	\$ -
9/23/2020	56536	TRAVEL FUND	SUPPLIES	\$ 1,044.47
9/23/2020	56537	TRUESDELL OIL INC	FUEL	\$ 647.77
9/23/2020	56538	UNITYPOINT CLINIC	TESTING	\$ 42.00
9/23/2020	56539	USA BLUEBOOK	SUPPLIES	\$ 332.68
9/23/2020	56540	PAM WAKEMAN	REBATE DEHUMIDIFIER	\$ 25.00
9/23/2020	56541	WELLS FARGO VENDOR FIN SER LLC	COPIER LEASE	\$ 233.86
9/23/2020	56542	SUBSCRIBER TECHNOLOGIES INC	TV PROGRAMMING COST	\$ 225.00
9/23/2020	56543	KARIAN PETERSON POWER LINE	SOUTH FEEDER SVC	\$ 331,200.48
9/18/2020	11141390	IVY FUNDS	457- W&R	\$ 50.00
9/18/2020	11141391	IPERS	IPERS - CITY	\$ 17,082.91
9/18/2020	11141392	WELLMARK	GROUP 125 - FAM	\$ 31,469.74
9/18/2020	11141393	AFLAC	PRE TAX INS PRE	\$ 918.84
9/18/2020	11141394	EFTPS	FED/FICA TAX	\$ 13,569.85
9/18/2020	11141395	IOWA DEPT OF REVENUE	STATE TAXES	\$ 4,585.00
9/23/2020	11141396	MISSOURI RIVER ENERGY SVCS	ELECTRIC PURCHASE	\$ 99,426.76
9/23/2020	11141397	TREASURER STATE OF IOWA	SALES TAX 9/15/20	\$ 3,497.00
9/23/2020	11141398	TREASURER STATE OF IOWA	720 EXCISE TAX PH	\$ 403.65
9/23/2020	11141399	CLAYTON ENERGY CORPORATION	GAS PURCHASE	\$ 1,494.75
9/23/2020	11141400	PEFA INC	GAS PURCHASE	\$ 3,268.49
9/23/2020	11141401	WELLMARK	COBRA INSURANCE	\$ 740.44
9/23/2020	11141402	WEX BANK	FUEL	\$ 2,118.49
				=====
			Accounts Payable Total	\$ 686,289.87
			Payroll Checks	\$ 40,961.92
				=====
			Report Total	\$ 727,251.79
				=====

CITY OF HAWARDEN
COUNCIL MEETING
SEPTEMBER 23, 2020

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9/10/2020	56477	NATIONAL CABLE TELEVISION	SUPPLIES INT		\$ 29.18
9/10/2020	56478	UNITED PARCEL SERVICE	SHIPPING CD		\$ 18.42
9/10/2020	56479	VERIZON	CELL SVC PD	\$ 26.56	
9/10/2020	56479	VERIZON	CELL SVC PD	\$ 120.03	\$ 146.59
9/18/2020	56485	ICMA-RC	457- ICMA	\$ 125.00	
9/18/2020	56485	ICMA-RC	457- ICMA	\$ 125.00	\$ 250.00
9/18/2020	56486	FLEX PLAN	URM/FLEX PLAN		\$ 1,258.91
9/18/2020	56487	CHILD SUPPORT PAYMENT CTR	GARNISHMENTS		\$ 573.69
9/18/2020	56488	AFSCME/IOWA COUNCIL 61	UNION DUES	\$ 150.64	
9/18/2020	56488	AFSCME/IOWA COUNCIL 61	UNION DUES	\$ 150.64	\$ 301.28
9/18/2020	56490	CITY OF HAWARDEN	SELF-INS-FAM		\$ 720.00
9/23/2020	56491	905 ARRANGEMENTS	B-BOUQUET LEGADM		\$ 13.91
9/23/2020	56492	ADAMS CABLE EQUIPMENT INC	SUPPLIES INT		\$ 438.00
9/23/2020	56493	AIRGAS USA LLC	CYLINDER RENTAL AMB		\$ 68.82
9/23/2020	56494	ALTEC NUECO LLC	EL DIGGER DERICK		\$ 110,000.00
9/23/2020	56495	ANTHEM BCBS	AMB OVERPAYMENT REIMBURSEMENT		\$ 349.66
9/23/2020	56496	AUREON NETWORK SERVICES	CALEA TUA		\$ 128.02
9/23/2020	56497	BIG SIOUX EMBROIDERY	ST UNIFORM		\$ 48.00
9/23/2020	56498	BORDER STATES INDUSTRIES INC	SUPPLIES WALKING TRAIL	\$ 198.00	
9/23/2020	56498	BORDER STATES INDUSTRIES INC	SUPPLIES EL	\$ 63.75	\$ 261.75
9/23/2020	56499	CATALYST IT	TECH SERVICES SEPT SVC		\$ 2,636.85
9/23/2020	56500	CENTRAL CATERING	RETIREMENT LUNCH		\$ 227.38
9/23/2020	56501	CENTRAL PARTS & SUPPLY	REBATE EL LIGHTING		\$ 1,654.09
9/23/2020	56502	CLIA LABORATORY PROGRAM	CERTIFICATE FEE AMB		\$ 180.00
9/23/2020	56503	DIAMOND VOGEL & WAX CO	PAINT ST		\$ 279.48
9/23/2020	56504	DIGI-KEY ELECTRONICS	SUPPLIES CBL		\$ 81.36
9/23/2020	56505	EMC INSURANCE COMPANIES	INS DEDUCTIBLE		\$ 1,300.00

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9/23/2020	56508	FELD FIRE	HYDROTEST BOTTLES SVC FIRE		\$ 140.00
9/23/2020	56509	GM CONTRACTING INC	UTILITY RELOCATION PROJECT		\$ 6,864.35
9/23/2020	56510	GRAINGER INC	SUPPLIES WA	\$ 173.34	
9/23/2020	56510	GRAINGER INC	SUPPLIES CEM	\$ 199.60	\$ 372.94
9/23/2020	56511	HAWARDEN REGIONAL HEALTHCARE	SUPPLIES AMB		\$ 273.31
9/23/2020	56512	HAWKINS INC	CHEMICALS WA		\$ 3,192.19
9/23/2020	56513	BRAD HOFLAND	09-19-20 CC SVC		\$ 100.00
9/23/2020	56514	MARY HULLEMAN	PD RETIREMENT BENEFIT		\$ 520.09
9/23/2020	56515	IOWA UTILITIES BOARD	IEC & CGRER ASSESSMENT EL	\$ 2,068.00	
9/23/2020	56515	IOWA UTILITIES BOARD	IEC & CGRER ASSESSMENT GAS	\$ 973.00	\$ 3,041.00
9/23/2020	56516	LIFESTYLE LANDSCAPE	MAINTENANCE GAS		\$ 440.00
9/23/2020	56517	LIGHT AND SIREN	LIGHTS & MOUNT EL		\$ 1,120.00
9/23/2020	56518	MANGOLD ENVIRONMENTAL	LAB FEES WSTWA		\$ 668.00
9/23/2020	56519	MOW & GLOW LAWN & FLOOR CARE	09-19-20 CC SVC		\$ 100.00
9/23/2020	56521	MUNICIPAL UTILITIES	UTILITIES		\$ 14,651.01
9/23/2020	56522	NORTH AMERICAN NUMBERING PLAN	ANNUAL ADMIN FEE		\$ 50.00
9/23/2020	56523	O.C. SANITATION INC	PORTA-POT PARK	\$ 130.00	
9/23/2020	56523	O.C. SANITATION INC	PORTA-POT PARK	\$ 130.00	\$ 260.00
9/23/2020	56524	PARMIDA LED TECHNOLOGIES	LIGHTS EL		\$ 6,520.00
9/23/2020	56525	POLICE LEGAL SCIENCES	RENEW SUBSCRIPTION PD		\$ 480.00
9/23/2020	56526	PRECISION GRAPHICS	DECALS ST SNOW PLOW		\$ 240.00
9/23/2020	56528	QUILL CORPORATION	SUPPLIES PD	\$ 365.50	
9/23/2020	56528	QUILL CORPORATION	PAPER AMB	\$ 50.96	
9/23/2020	56528	QUILL CORPORATION	SUPPLIES AMB	\$ 31.98	\$ 448.44
9/23/2020	56529	RACOM CORPORATION	VEHICLE UPFITTING PD		\$ 8,176.15
9/23/2020	56530	ROVI GUIDES INC	TV PROGRAMMING COST		\$ 608.79
9/23/2020	56531	SINCLAIR BROADCAST GROUP INC	RETRANSMISSION KMEG		\$ 1,994.99
9/23/2020	56532	SIOUXLAND DISTRICT HEALTH DEPT	LAB FEES WA		\$ 52.00
9/23/2020	56533	ROBIN SMITH	AMB OVERPAYMENT REIMBURSEMENT		\$ 100.00
9/23/2020	56534	STATE HYGIENIC LABORATORY	LAB FEES WA		\$ 125.00
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9/23/2020	56538	UNITYPOINT CLINIC	TESTING EL		\$ 42.00
9/23/2020	56539	USA BLUEBOOK	FLAGS ST	\$ 141.40	
9/23/2020	56539	USA BLUEBOOK	SUPPLIES WSTWA	\$ 191.28	\$ 332.68
9/23/2020	56540	PAM WAKEMAN	REBATE DEHUMIDIFIER		\$ 25.00
9/23/2020	56541	WELLS FARGO VENDOR FIN SER LLC	COPIER LEASE		\$ 233.86
9/23/2020	56542	SUBSCRIBER TECHNOLOGIES INC	TV PROGRAMMING COST MONTHLY		\$ 225.00
9/23/2020	56543	KARIAN PETERSON POWER LINE	SOUTH FEEDER SVC		\$ 331,200.48
9/18/2020	11141390	IVY FUNDS	457- W&R		\$ 50.00
9/18/2020	11141391	IPERS	IPERS - CITY	\$ 8,538.75	
9/18/2020	11141391	IPERS	IPERS - POLICE	\$ 8,544.16	\$ 17,082.91
9/18/2020	11141392	WELLMARK	GROUP 125 - FAM	\$ 15,734.87	
9/18/2020	11141392	WELLMARK	GROUP 125 - FAM	\$ 15,734.87	\$ 31,469.74
9/18/2020	11141393	AFLAC	PRE TAX INS PRE	\$ 459.42	
9/18/2020	11141393	AFLAC	PRE TAX INS PRE	\$ 459.42	\$ 918.84
9/18/2020	11141394	EFTPS	FED/FICA TAX		\$ 13,569.85
9/18/2020	11141395	IOWA DEPT OF REVENUE	STATE TAXES	\$ 2,294.00	
9/18/2020	11141395	IOWA DEPT OF REVENUE	STATE TAX	\$ 2,291.00	\$ 4,585.00
9/23/2020	11141396	MISSOURI RIVER ENERGY SVCS	ELECTRIC PURCHASE		\$ 99,426.76
9/23/2020	11141397	TREASURER STATE OF IOWA	SALES TAX 9/15/20		\$ 3,497.00
9/23/2020	11141398	TREASURER STATE OF IOWA	720 EXCISE TAX PH		\$ 403.65
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9/23/2020	11141400	PEFA INC	GAS PURCHASE		\$ 3,268.49
9/23/2020	11141401	WELLMARK	COBRA INSURANCE SEPT 2020		\$ 740.44
9/23/2020	11141402	WEX BANK	FUEL PD		\$ 2,118.49
					=====
Accounts Payable Total					\$ 686,289.87
Payroll Checks					\$ 40,961.92
					=====
Report Total					\$ 727,251.79
					=====

DATE	CHECK NO	VENDOR NAME	INVOICE DESCRIPTION	INVOICE AMT	TOTAL
			GENERAL FUND	\$ 68,228.43	
			ROAD USE TAX FUND	\$ 11,110.99	
			POLICE RETIREMENT FUND	\$ 520.09	
			WALKING TRAIL PROJECT	\$ 198.00	
			WATER UTILITY FUND	\$ 13,244.82	
			WASTE WATER UTILITY FUND	\$ 10,376.64	
			WASETWATER PROJECTS	\$ 6,864.35	
			ELECTRIC UTILITY FUND	\$ 118,897.73	
			ELEC TRANSMISSION LINE	\$ 331,200.48	
			GAS UTILITY FUND	\$ 16,411.27	
			SOLID WASTE UTILITY FUND	\$ 2,227.00	
			TELECOMMUNICATIONS ADMIN	\$ 5,889.64	
			CABLE/INTERNET UTILITY	\$ 10,186.56	
			TELEPHONE UTILITY FUND	\$ 7,199.64	
			CAPITAL EQUIPMENT FUND	\$ 124,696.15	
			TOTAL FUNDS	\$ 727,251.79	

HAWARDEN WATER SUPPLY

SOURCE WATER PROTECTION PLAN

Public Water Supply #8434040



Prepared by

Bridget Durst, Source Water Community Facilitator
Conservation Districts of Iowa
Iowa Department of Natural Resources

Completed

April 30, 2020

This plan is intended to be used along with the Iowa DNR phase 1 assessment for this water system. This assessment provides data and links related to public water supplies. A digital copy of this document can be found by visiting: <https://programs.iowadnr.gov/sourcewater/> and search by community or water system name.

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SOURCE WATER TEAM LIST

Name	Affiliation	Email	Phone Number
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SOURCE WATER PARTNERSHIPS AND RESPONSIBILITIES

City of Hawarden

- The City of Hawarden is responsible for implementation of the source water protection plan.
- This will include maintaining community outreach, publicizing upcoming and ongoing projects, and finding resources to fund potential projects.
- The City of Hawarden will be responsible for following through with scheduled source water meetings during the planning process and through implementation.
- They will maintain and revise the source water protection plan quarterly until the spring of 2020, and then annually or as needed.
- They will maintain and revise the emergency response plan annually or as needed in the future.
- The City of Hawarden will have access to resources and technical assistance regarding source water protection through various local, state, and federal organizations.
- A continual meeting schedule for implementation will consist of:
 - One year of quarterly meetings to revisit the source water protection plan and report, discuss, and document progress.
 - Addressing the source water protection plan during city council meetings as an agenda item.
 - Holding an annual review meeting scheduled to be after 1st year.
 - Reporting meeting minutes to the DNR source water facilitator or source water protection program coordinator.

Sioux County Supervisors

The county supervisors can provide outreach and support. The Sioux County Supervisors can be asked to prioritize decisions regarding county ordinances and rules in Hawarden's capture zones outside of the city limits as related to the source water protection plan. They have been asked to make the city aware of any potential funding available for source water protection projects and continue to communicate with producers in the capture zones.

Sioux County Engineer

The county engineers and staff can provide access to Grants to Counties for well plugging assistance, cistern plugging, private well testing, permitting for private wells, and septic system permits. The county engineer can also assist in applying for State Revolving Fund (SRF) low interest loans related to septic system maintenance/ restoration.

Sioux County Conservation Board

The county conservation board can provide technical assistance, support, and outreach. The Sioux County Conservation Board can serve as a resource for technical assistance during planning and constructing projects in Hawarden's capture zones outside of city limits. They have been asked to make the city council aware of any potential funding opportunities available for source water protection projects.

West Sioux Community School District

The West Sioux Community School District can be capable of developing curriculum and programs to help educate school children about the importance of community water sources. The school district can partner with the city to consider Future Farmers of America (FFA) programs that encourage source water protection through conservation-based farming practices. They can be able to provide space and development for assemblies to introduce students to source water protection and encourage participation among these students. They can also develop a curriculum that includes water quality and land use relationships. The West Sioux Community School District is encouraged to organize projects and educational events with the City of Hawarden, NRCS, Sioux County SWCD, and various other partners committed to source water protection.

Iowa Department of Natural Resources (Iowa DNR)

The Iowa Department of Natural Resources Region 3 Field Office in Spencer can provide the technical resources to assist the water system facility to meet all state and federal drinking water standards. They provide on-site technical assistance and perform inspections such as sanitary surveys. The Iowa DNR Source Water Protection Program can update the phase 1 assessment and source water databases as needed.

Iowa Geologic Survey (IGS)

Iowa Geologic Survey provides technical assistance to water systems regarding groundwater investigations.

USDA Natural Resources Conservation Service (NRCS)

The USDA NRCS-FSA provides resources to help landowners and farmers make decisions regarding soil conservation, water quality issues, nutrient losses, and constructing natural habitat. The federal government provides funding to programs administered by the USDA NRCS-FSA. These funding programs are offered to all rural landowners and farmers that qualify. The City of Hawarden has reached out to the District Conservationist of Sioux County to ensure that landowners and farmers within the capture zones have high priority when applying for programs due to the potential impact of their agricultural operations on the city's drinking water source.

Farm Service Agency (FSA)

The role of the Farm Service Agency is equitably serving all farmers, ranchers, and agricultural partners through the delivery of effective, efficient agricultural programs for all Americans. FSA's responsibilities are organized into five areas: Farm Programs, Farm Loans, Commodity Operations, Management and State Operations. The agency continues to provide America's farmers with a strong safety net through the administration of farm commodity programs. FSA also implements ad hoc disaster programs. FSA's long-standing tradition of conserving the nation's natural resources continues through the Conservation Reserve Program. A reorganization of USDA resulted in the Consolidated Farm Service Agency, renamed Farm Service Agency in November 1995. The new FSA encompasses the Agricultural Stabilization and Conservation Service, Federal Crop Insurance Corporation (FCIC) and the farm credit portion of the Farmers Home Administration.

Sioux County Soil and Water Conservation District (SWCD)

The county SWCD provides outreach, planning assistance, and cost share programs to landowners and farmers in their local districts. The focus of the SWCD is to help implement conservation practices to address soil loss and water quality. The Sioux County SWCD Commissioners have agreed to prioritize applications for conservation practices from farmers within the capture zones around Hawarden's wells due to the potential impact that their agricultural operations could have on the city's drinking water. They are also responsible for applying for Resource Enhancement and Protection (REAP) funding throughout the state.

Iowa Department of Ag Land Stewardship (IDALS)

The Iowa Department of Agricultural Land Stewardship provides technical assistance and funds to help communities install practices that preserve our soil health and water quality. They assist in writing State Revolving Fund (SRF) loans and a variety of other grants. IDALS can keep the City of Hawarden up to date on all policies that may affect source water protection, funding, and regulation.

Iowa State University (ISU) Extension and Outreach: Sioux County

ISU Extension provides programs that give people access to unbiased, research-based information and education to make better environmental decisions. Many of their programs are based in agronomy, economics, and community involvement. ISU Extension is the organization that created the 4-H program for school-aged children. ISU Extension has been asked to help create 4-H programs that teach source water protection and encourage participation in conservation-based farming practices.

Conservation Districts of Iowa (CDI)

Conservation Districts of Iowa informs, educates, and leads Iowans through local soil and water conservation districts to promote the conservation of natural resources. Conservation Districts of Iowa supports the soil and water conservation districts through public education, commissioner development, conservation policy, on-the-ground conservation, conservation practice promotion, public events and more.

National Wildlife Federation (NWF)

The National Wildlife Federation can provide grant writing, education, outreach, and technical assistance in regard to source water protection. They help create opportunities for success through communication between city government, landowners, and farmers.

Iowa Soybean Association (ISA)

The Iowa Soybean Association can provide outreach and support through offering their many programs to the City of Hawarden and the farmers within the capture zones. They are a resource for outreach and education.

Iowa Corn Growers Association (ICGA)

The Iowa Corn Growers Association has provided financial support by paying for Hawarden's source water protection kick off meeting and furnishing nitrate testing kits to farmers in the capture zones. They are a resource for outreach and education.

Iowa Source Water Agricultural Collaborative

The Iowa Source Water Collaborative was formalized in 2016 with the goal of providing Iowans with information and resources to protect their drinking water sources. This collaborative includes CDI, Iowa DNR, ISA, USDA NRCS-FSA, NWF, Iowa Corn Growers, ISU Extension, Iowa Soybean Assoc., and IDALS.

SOURCE WATER PROTECTION PARTNERS CONTACT INFORMATION

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SOURCE WATER PROTECTION PLANNING OVERVIEW

Source water protection is the act of preventing contaminants from entering drinking water sources.

The purpose of source water protection planning is to unite a community in the common goal of protecting their source water. In crafting a source water protection plan (SWPP), we are working to ensure safe drinking water by addressing and preventing contamination, which in turn reduces the costs of water treatment and possibly postpones the necessity of drilling new wells. The plan outlines practices and objectives that promote the preservation of the community's source water. The document also gives everyone a chance to contribute to the protection of their shared resources. Through collaboration on this project, community members will leave a positive legacy for future generations.

Every public community water supply in Iowa has a phase 1 assessment, available from the Iowa DNR [Source Water Protection Tracker](#) application. The phase 1 document contains basic information concerning geology, public well locations, well depths, susceptibility and nitrate (as N) levels, capture zone maps, and inventories of potential contaminant sources, wells and land use types found within the capture zones.

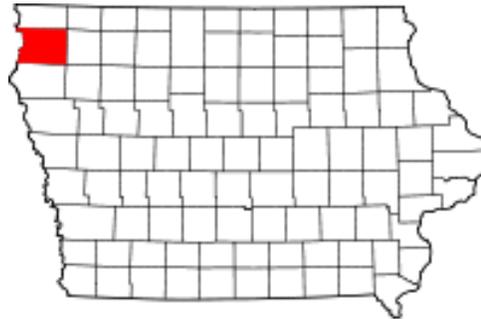
Using information from the phase 1 assessment and their knowledge of the water supply, landowners, local ag operators, and the source water team members can decide which best management practices to utilize in specific areas. The practices can include anything from signs designating protection areas to implementing conservation practices in urban areas and private agricultural land. The SWPP is designed with the best interest of the water supply customers in mind. It is intended to be a living document, to be revisited annually to consider progress and to assess whether the plan needs to be updated and/or revised. Each SWPP is as unique as the community, or water supply it belongs to.

GOALS AND OBJECTIVES

- Safeguard the health of water users being served by city wells.
- Prevent financial burdens caused by contaminated drinking water.
- Educate and provide awareness of the effects of drinking water contamination.
- Educate landowners in the capture zones of their potential impacts on the community's drinking water supply.
- Encourage the use of conservation practices that address nutrient loss from agricultural production and urban runoff.
- Find non-traditional partners and funding resources to help implement projects related to source water protection.
- Address and mitigate rising nitrate levels in the public water supply through public education, outreach, and land use changes.
- Create opportunities to install urban conservation practices within city limits.
- Connect water utilities to the community for outreach
- Connect water utilities with area ag producers
- Connect water utilities with youth through education
- Connect water utilities to source water protection resources
- Encourage open discussions through public meetings
- Expand source water protection to HUC 12 watershed.

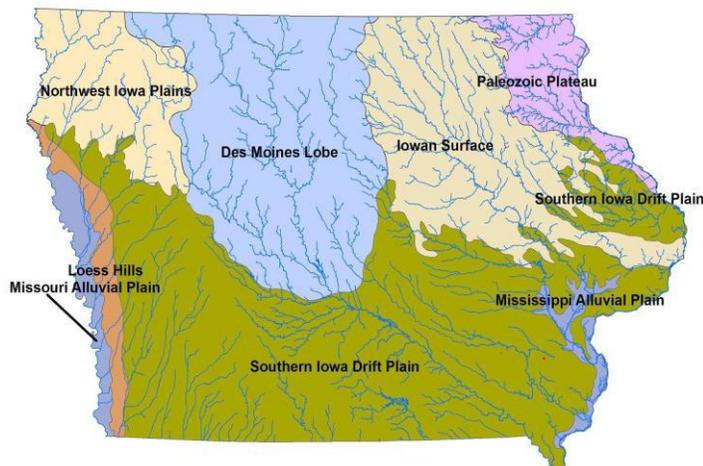
City Location

The City of Hawarden is located in western Sioux County on the Iowa/South Dakota border. It is located along the Big Sioux River



Hawarden is located in the Northwest Iowa Plains landform region. The open rolling hills of this region result from the intense erosion that accompanied the period of maximum

glacial cold. An abundant loess mantle adds to the region's relief, a reflection of its nearness to the Missouri and Big Sioux River valley sources. Land elevations are uniformly higher, and precipitation amounts lower than elsewhere in Iowa.



WELL LOCATION

The City of Hawarden obtains its water from eight shallow wells, well #7 (1967), #9 (1978), #6 (1960), #3 (1950), #4 (1957), #8 (1977), #11 (1993), and #10 (1993). All wells are in the southwest area of city limits.

Well Name	Year Drilled	Depth of Well (in feet)
#7	1967	44
#9	1978	33
#6	1960	38
#3	1950	43
#4	1957	38
#8	1977	40
#11	1993	41
#10	1993	41

CUSTOMERS

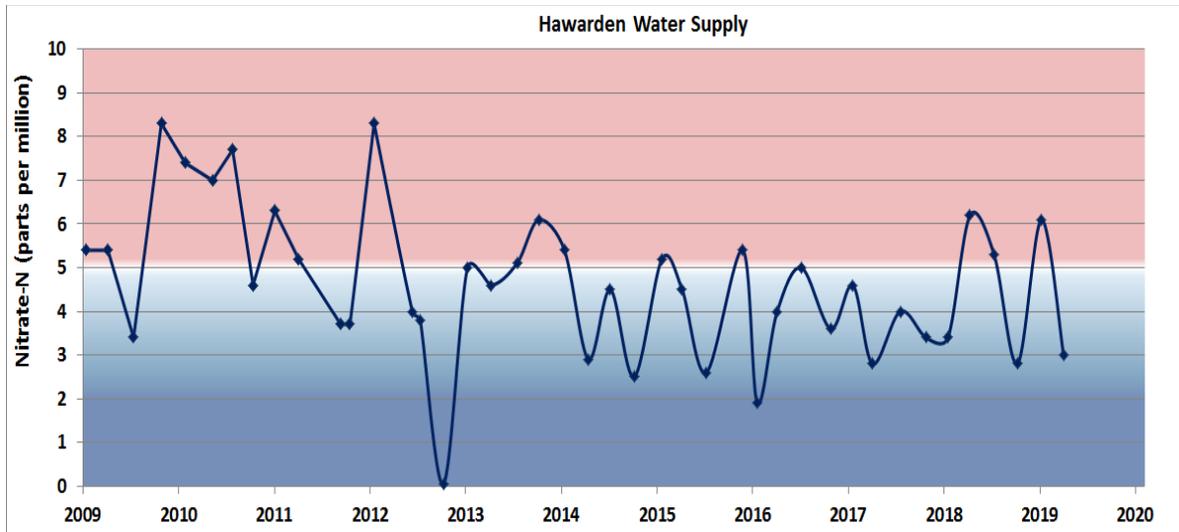
The Hawarden Water Supply provides water to the citizens and businesses of Hawarden. The utility provides water to a population of 2546 residents with 1058 service connections. The Hawarden Water Supply distributes an average of 385,000 gallons of water per day with a maximum capacity of 637,800 gallons per day.

TREATMENT

The Hawarden Water Supply treatment consists of polyphosphate addition for iron and manganese sequestration in the well houses for wells #3, 4, 6, 7, 8, and 9 and at the treatment plant for wells #10 and #11. Treatment at the water plant consists of gas chlorination for disinfection and a 4-log virus inactivation; detention in two 35,000-gallon tanks and fluoride addition for fluoridation. Distribution system storage and system pressure are provided by one 750,000-gallon ground storage reservoir and one 100,000-gallon elevated storage tank. The elevated tank is not typically used from October to April.

WATER QUALITY

Hawarden Water Supply has a ten-year average finished nitrate (as N) concentration of 4.9 mg/L based on 53 samples collected between 2009 and 2019. As mentioned, the EPA maximum contaminant level (MCL) for nitrate (as N) in finished water is 10 mg/L.



200' ZONE OF CONTROL

The City of Hawarden owns and maintains the required 200' zone of control around each well.

HYDROGEOLOGY AND SUSCEPTIBILITY

The Hawarden Water Supply sources its water from one aquifer. The 8 shallow wells are in an "alluvial" aquifer associated with the Big Sioux River. Alluvial aquifers are generally shallow sand and gravel deposits laid down over time in a river channel or floodplain. The name "alluvial" refers to the loose, unlayered nature of the material – often silt, clay, sand, and gravel, deposited by running water in and around rivers. This aquifer has no overlying confining layer and therefore has been determined to be highly susceptible to surface contamination.

SUSCEPTIBILITY DESIGNATION BASED ON CONFINING LAYER THICKNESS:

Confining layer thickness:	Susceptibility Designation:
0 to 25 feet	Highly Susceptible
25 to 50 feet	Susceptible
50 to 100 feet	Slightly Susceptible
Over 100 feet	Low susceptibility

SOURCE WATER CAPTURE ZONES:

Source water capture zones are often divided and prioritized to show “time-of-travel”, indicating the amount of time it takes water within the delineated area to reach the well. For alluvial systems, hydrologic boundaries are often used, rather than time-of-travel capture zones. Surface runoff area are often included as part of an alluvial system delineation. Time-of-travel capture zones are based on computer models. The information used to determine the capture zones includes pumping and static water levels and the geological makeup of the surrounding area. When there is not enough information to delineate a modeled capture zone, a fixed radius delineation is used. For more information on capture zone types and delineation please contact Matt Dvorak, Iowa DNR matthew.devorak@dnr.iowa.gov

LAND COVER BY NUMBER OF ACRES: ALLUVIAL AQUIFER

(2018 Summary: 1,001 total acres)

Land Cover Type	2-year capture zone	5-year capture zone
Row Crops	0	9
Alfalfa	0	2
Grassland	37	72
Wetland	33	4
Water	112	0
Forested areas	46	27
Developed areas	192	467

OTHER POTENTIAL CONTAMINANT SOURCES: ALLUVIAL AQUIFER

(HIGH PRIORITY)

The table below shows an assessment of priorities determined by the source water protection team within the capture zones. This information is separate from the data within the phase 1 assessment.

Nitrate-related potential contamination sources may include:

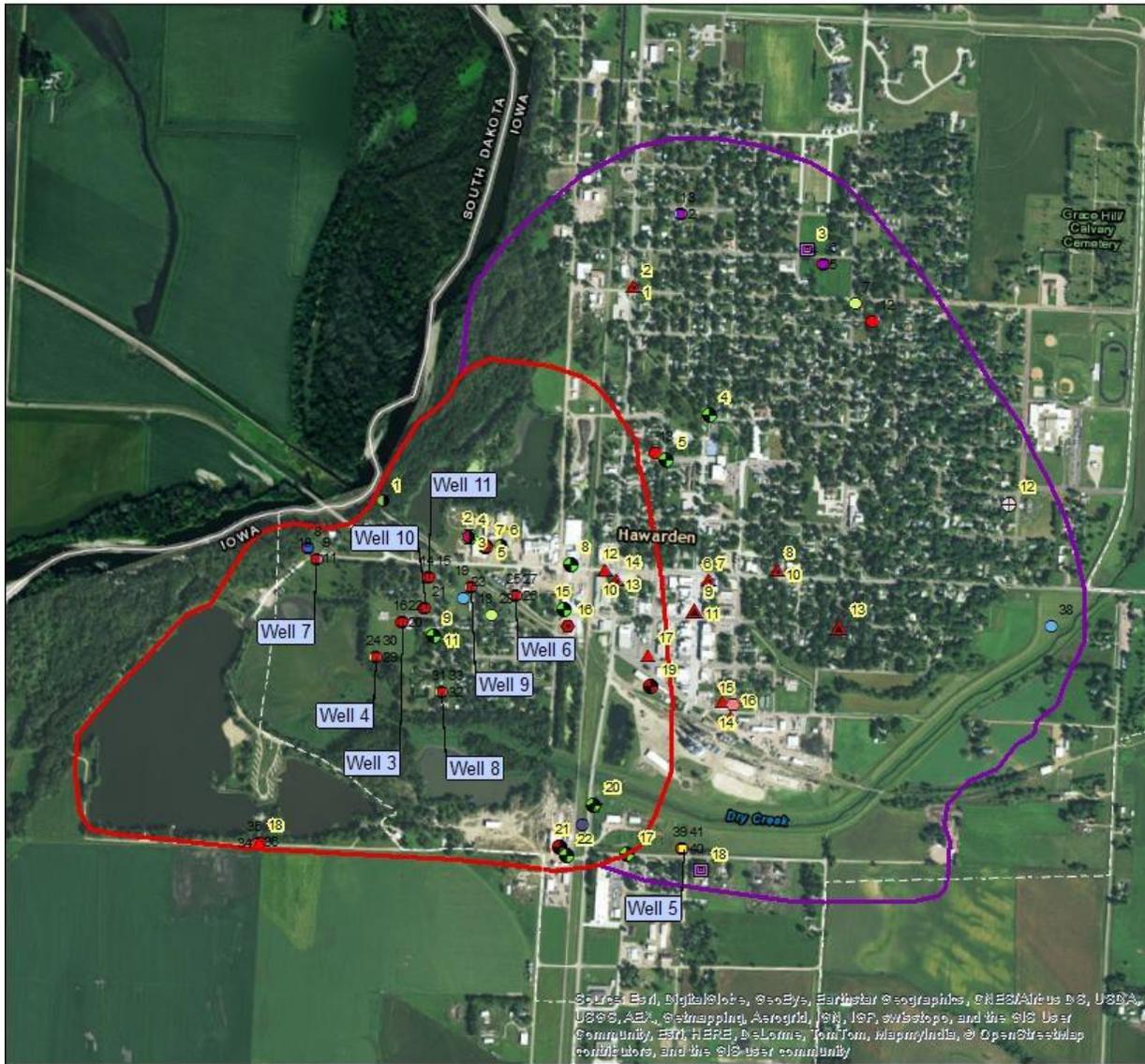
- Row-cropped land receiving fertilizers and pesticides- High Priority.
- Animal Feeding Operations including manure application sites- High Priority.
- Ag Chemical Facility-High Priority.
- Septic tanks-High Priority.
- Hazardous Material Spills involving fertilizers or ammonia-High Priority.
- Urban runoff –High Priority.
- City Sewer Systems- High Priority.

This information is separate from the data within the phase 1 assessment and have been determined by the City of Hawarden Source Water Protection Team to be priorities.

Capture Zone	Acres	Land use	Potential contaminant source	Priority level
5-year	9	Row-cropped land	Chemical fertilizer/manure application	High
2-year	192	Urban development	Runoff from lawns and non-permeable surfaces	High
2-year	192	Urban development	City sewer system	High
5-year	467	Urban development	Runoff from lawns and non-permeable surfaces	High
5-year	467	Urban development	City sewer system	High
2-year	N/A	Ag chemical facilities	Hazardous material storage distribution	High

HAWARDEN CAPTURE ZONES (TIME OF TRAVEL) MAP

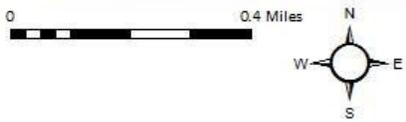
Hawarden 8434040
Alluvial Aquifer - Source Water Protection Area



- Public Wells**
- Active
 - Standby
 - Not Used
 - Plugged
- Groundwater Capture Zones**
- 2-Year Capture Zone
 - 5-Year Capture Zone

- Contaminant Sources**
- Air Permit - Group 1 Grain Elevators
 - Air Permit - Minor
 - Contaminated sites
 - Tier II Chemical Storage
 - Hazardous Materials Spill
 - ⊕ Hospitals
 - ▲ Above ground fuel storage
 - ▲ Underground storage tank
 - ▲ Leaking USTs
 - Solid waste facility
 - Wastewater industrial contributor

- Other Wells 2015**
- IGS well database
 - Permitted private wells
 - Private well tracking system
 - Public Water Supply well
 - Registered abandoned wells
 - Water Use Permit Wells



Soils: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, IGP, swisstopo, and the GIS User community
 Esri, HERE, DeLorme, TomTom, Mapbox, OpenStreetMap contributors, and the GIS user community

Iowa SOURCE WATER Protection
 Report Created: 8/25/2015

POTENTIAL POINT-SOURCE CONTAMINANT SOURCES: ALLUVIAL AQUIFER
(HIGH PRIORITY)

This table provides information about some of the potential point-source contaminant sources listed in the phase 1 assessment and found on the map of the capture zones. The “map #” corresponds to the display ID# on the maps on page 18. The table below is not a complete listing of all potential point-source contamination sources. Since the source water protection team decided to prioritize nitrate related sites, not all sites shown on the phase 1 map are shown on the following table. For more information about ranking and links to risk factors please refer to the phase 1 assessment for the City of Hawarden. To access the phase 1 assessment for the City of Hawarden please visit: <https://programs.iowadnr.gov/sourcewater/>

CAPTURE ZONE: 2-YEAR

Map #	Site Name	Site Type	Land Use Risk	Priority
36	Sioux Fertilizer	Contaminated Sites	5	High
24	Digi Data Corporation	Tier II Chemical Storage	3	High
37	Sioux Fertilizer	Tier II Chemical Storage	3	High
12	Iowa Lamb Corporation	Wastewater Industrial Contributor	5	Medium
10	Hawarden Machine INC	Tier II Chemical Storage	3	Medium
7	City of Hawarden	Wastewater outfall	5	Low
8	City of Hawarden	Wastewater treatment	5	Low
11	City of Hawarden	Wastewater outfall	5	Low
14	Casey's General Store #2687	LUST	5	Low
15	Casey's General Store #2687	UST	5	Low

Map #	Site Name	Site Type	Land Use Risk	Priority
16	Casey's General Store #3229	LUST	5	Low
17	Casey's General Store #3229	UST	5	Low
23	Digi Data Corporation	UST	5	Low
30	Vanhoef Chevy-Oldsmobile Inc.	UST	5	Low
31	Hawarden Feed and Grain	Contaminated Sites	5	Low
35	Hawarden Agri Center	UST	5	Low
9	Hawarden Machine INC	Air Permit- Minor	3	Low
22	Truesdale Oil INC	Tier II Chemical Storage	3	Low
27	GCC Alliance Concrete	Air Permit- Minor	3	Low

CAPTURE ZONE: 5-YEAR

Map #	Site Name	Site Type	Land Use Risk	Priority
25	Todd Erickson	Above ground fuel storage	5	Medium
25	Todd Erickson	Above ground fuel storage	5	Medium
29	Truesdell Oil Inc.	Above ground fuel storage	5	Medium
4	City of Hawarden	Tier II Chemical Storage	3	Medium
6	City of Hawarden-Swimming Pool	Tier II Chemical Storage	3	Medium
38	City of Hawarden Well #5 - Environ. Services of Iowa	Tier II Chemical Storage	3	Medium
1	Appliance Disposal	Solid Waste facility	5	None
2	Casey's General Store #1570	UST	5	Low
3	Casey's General Store #1570	LUST	5	Low

Map #	Site Name	Site Type	Land Use Risk	Priority
18	Quick Corner Inc.	UST	5	Low
19	Quick Corner Inc.	LUST	5	Low
20	Amoco Service	LUST	5	Low
21	Amoco Service	UST	5	Low
32	Scroggs Feed & Grain Co. Inc.	UST	5	Low
34	City of Hawarden	UST	5	Low
39	City of Hawarden	Solid Waste Facility	5	Low
13	Hawarden Community Hospital	Hospital	4	Low
33	Cooperative Farmers Elevator- Hawarden	Air Permit Group 1-Grain Elevator	3	Low
5	Transportation Spill	Hazardous Materials Spill	1	Low
28	Theft Spill	Hazardous Materials Spill	1	Low

OTHER WELL INVENTORY

Improperly maintained wells can be potential point sources, allowing contamination from the land surface to enter aquifers beneath them. The “map #” corresponds to the display ID# on the map of the capture zones on pages 17-18. For more information and links to risk factors please refer to the phase 1 assessment for Hawarden Water Supply.

CAPTURE ZONE: 2-YEAR TIME-OF-TRAVEL

The charts below are based on the most current information available to the DNR for phase 1 development. As ownership of land or wells changes, the information may not be updated in databases used by the DNR to compile new map information. Some wells are not included in the DNR databases. We encourage that all wells within the capture zones be located and inspected for structural concerns.

Map #	Well Owner	Depth (ft.)	Year Drilled/ permitted	Priority
13	City of Hawarden	0	Unknown	High
15	City of Hawarden	48	1977	Medium
16	City of Hawarden	44	1967	High
18	City of Hawarden	44	1967	High
19	City of Hawarden	41	1993	High
22	City of Hawarden	33	1978	High
25	City of Hawarden	41	1993	High
27	City of Hawarden	40	Unknown	High
28	City of Hawarden	38	1960	High
30	City of Hawarden	43	1950	High
34	City of Hawarden	38	1957	High
37	City of Hawarden	48	1977	Status Unknown
38	City of Hawarden	40	1977	High
21	Hawarden of Iowa, Inc.	48	1977	Status Unknown
24	Dennis Dahlin	Unknown	Unknown	Medium
42	Lynott Farms	40	1999	Status Unknown
43	South Dakota Geo. Survey	35	1985	Status Unknown
44	Lynott Farms	44	1999	Status Unknown
45	Lynott Farms/ Sioux Fertilizer Inc.	60	1999	Status Unknown
46	Pottebau	30	Unknown	Status Unknown

CAPTURE ZONE: 5-YEAR TIME-OF-TRAVEL

Map #	Well Owner	Depth (ft.)	Year Drilled/ permitted	Priority
1	City of Hawarden	33	1977	Status Unknown
2	City of Hawarden	33	1977	Status Unknown
3	City of Hawarden	36	1924	Low
4	City of Hawarden	40	Unknown	Status Unknown
5	City of Hawarden	36	1924	High
7	City of Hawarden	36	1931	High
8	City of Hawarden	40	Unknown	Status Unknown
9	City of Hawarden	Unknown	Unknown	Status Unknown
10	City of Hawarden	48	1967	Status Unknown
11	City of Hawarden	28	1967	Status Unknown
12	City of Hawarden	152	1977	Status Unknown
41	City of Hawarden	Unknown	Unknown	Status Unknown
47	City of Hawarden	35	1957	Status Unknown
48	City of Hawarden	40	Unknown	Status Unknown
49	City of Hawarden	36	1957	High

SOURCE WATER PROTECTION PLANNING STEPS

THIS CHART OUTLINES STEPS TAKEN OR AGREED UPON DURING THE PLANNING PROCESS BY THE HAWARDEN SOURCE WATER PROTECTION TEAM. FOR MORE INFORMATION CONTACT THE CITY OF HAWARDEN.

Action	Status	Notes
Present SWP to Hawarden City Council.	Complete	<ul style="list-style-type: none"> The City of Hawarden agreed to participate in SWP planning.
Request Letter of Commitment from the City of Hawarden.	Complete	<ul style="list-style-type: none"> Signed, returned, and sent to supervisors (DNR, CDI).
Schedule source water kick off.	Complete	<ul style="list-style-type: none"> Source water kick off was held on October 10, 2019.
Invite community members and farmers/producers to source water kick off.	Complete	<ul style="list-style-type: none"> Mike DeBruin, city administrator, distributed invitations to water customers, Hawarden city officials, as well as the landowners and ag operators within the capture zones to the source water kick off to learn about source water protection planning.
Host open public meeting: Source water kick off.	Complete	<ul style="list-style-type: none"> Source water protection information was distributed to the attendees. October 10, 2019. Hosted by the City of Hawarden. Iowa Corn Growers provided the funding for the meal. Discuss practices and what types of situations that Hawarden may face that can be solved with conservation practice and local infrastructure.

Action	Status	Notes
Find space for SWP meetings: during planning.	Complete	<ul style="list-style-type: none"> The City of Hawarden will host meetings in the Hawarden city office as scheduled.
Find space for SWP meetings through implementation	Complete	<ul style="list-style-type: none"> The City of Hawarden will continue to host source water protection meetings at the Hawarden community center.
Schedule continuous implementation meetings.	Ongoing	<ul style="list-style-type: none"> The source water protection plan (SWPP) will be an agenda item, quarterly, for the 1st year. The SWPP will be reviewed and goals will be set per quarter. The quarterly meeting minutes can be reported to the source water facilitator as requested by facilitator or person in similar position. Amendments to action steps or resources will be submitted to the Iowa DNR Source Water Protection Program. After one year the SWPP will be reviewed annually. More frequent meetings can be scheduled if necessary.
Present SWP to the Sioux County Board of Supervisors to gain support and promotion.	TBD	<ul style="list-style-type: none"> Present information to Sioux County Board of Supervisors. A letter of support can be requested.
Present SWP to Sioux County SWCD Commissioners for support, education, and outreach.	TBD	<ul style="list-style-type: none"> Sioux Co. SWCD Commissioners can be asked to give higher ranking to producers in source water priority areas. Begin with modeled capture zones from Iowa DNR. Commissioners have personal relationships with the landowners and operators in the Hawarden capture zones.

Action	Status	Notes
Reach out to Sioux County NRCS for support, education, and outreach.	TBD	<ul style="list-style-type: none">• Greg Marek, District Conservationist, was involved in the previous source water protection projects in the county.

SOURCE WATER PROTECTION ACTION PLAN

THIS CHART OUTLINES THE STEPS AND OPPORTUNITIES AS GUIDANCE THE CITY OF HAWARDEN CAN USE TO IMPLEMENT SOURCE WATER PROTECTION PROJECTS. **This chart is created to be revised**

PRIORITY: HIGH

Priority	Activity	Status/ Ideal Date	Contact	Comments/Notes
High	Ground truth and local site investigation, observe and document water movement, and resource concerns in capture zones.	Upcoming/ Ongoing	City of Hawarden	<ul style="list-style-type: none"> Identify resource concerns to be addressed now and in the future. Document resource concerns. Use Guidebook field survey or local survey to determine baselines.
High	Have source water protection information available through the City of Hawarden's public communications.	Upcoming/ June 2020	City of Hawarden	<ul style="list-style-type: none"> The City of Hawarden can inform the community about source water protection efforts, meetings, and resources through established outlets. Facebook, City Website. "Action steps" publication for citizens in capture zone. Notification of source water protection projects Notification of source water protection events The City of Hawarden can publish articles submitted to them regarding source water protection on the City Facebook page and on the city website. The City of Hawarden can send out updates on city water bills.

High	Have articles published in local news outlets.	Upcoming/ June 2020	City of Hawarden Independent/ Ireton Examiner Sioux County Daily News	<ul style="list-style-type: none"> The City of Hawarden can inform the community about source water protection efforts, meetings, and resources through local articles and interviews. Local newspapers can be invited to source water events.
High	Encourage proper maintenance of septic systems.	Ongoing	Sioux County Engineer City of Hawarden	<ul style="list-style-type: none"> Encourage proper maintenance of septic systems through education and county resources. The City of Hawarden in conjunction with the Sioux County engineer can send out a letter informing the public about how to properly maintain septic systems Collaborate with Sioux County Engineer to monitor areas potentially impacted by aging septic infrastructure. A chance to learn more about Grants to Counties and to use funding on private septic systems. Find funding mechanism to help landowners' transition to city sewer system.
High	Host SWP public event	Ongoing	City of Hawarden Sioux County Conservation Board School District	<ul style="list-style-type: none"> Wastewater Treatment upgrade event tied to Source Water Protection event: walk through October finish date or spring open house.

<p>High</p> <p> *Important to continue.</p>	<p>Collaborate with School district on projects</p>	<p>Ongoing</p>	<p>Josh Martenson, Biology Teacher 9-12 (point of contact)</p> <p>City of Hawarden</p> <p>Sioux County Conservation Board</p>	<ul style="list-style-type: none"> • Ask about upcoming or long-term projects and how we can integrate them into the SWPP as well as future collaboration, funding for example: private sector funding, state, or federal funding • Call Ida Grove about how they funded the water sampling curriculum • West Sioux Education Foundation
<p>High</p>	<p>Begin monitoring for water quality.</p>	<p>September 2020</p>	<p>City of Hawarden</p>	<ul style="list-style-type: none"> • Create a spreadsheet to record data. • This document can contain all the results from the surface water analyses. • This document can contain all the results from the groundwater analyses. • This can help track patterns and document successes related to BMP implementation. • This can also document # of practices installed/ adopted along with nitrate (as N) concentrations in raw groundwater and surface water.

High	Encourage and educate citizens about using deep rooted, native plants on private property within city limits.	August 2020	City of Hawarden Loess Hills Wild Ones	<ul style="list-style-type: none"> • The City of Hawarden can encourage the use deep rooted, native vegetation in city owned landscapes to utilize nitrogen in ground water. • The City of Hawarden can distribute information about how to use native plants in landscaping. • Use of native vegetation lessens the need for fertilizer applications. • Provides educational opportunities. • Project for 4-H, school district community service, or city event. • Work with partners to seed or plant native vegetation in private property within the city limits. • Work with partners to establish and maintain native vegetation in private property within the city limits.
High	Isotope testing	September 2020	City of Hawarden Iowa DNR	<ul style="list-style-type: none"> • Isotope testing is part of DNR's statewide ambient groundwater monitoring program. • These tests can be helpful for determining nitrate sources, but interpretation of the results should be done in context of other water quality information • Isotope testing shows the ratio of organic (manure)

				<p>and chemical (chemical fertilizer) sources in the water of the aquifer. *</p> <ul style="list-style-type: none"> • Conduct after collecting surface water samples. • This helps determine Best Management Practices for the area. • The cost is \$110/sample plus a \$12/sample quantitative nitrate-N test.
	<p>Contact: Daniel D. Snow, Ph.D. Laboratory Director 202 Water Sciences Laboratory University of Nebraska 1840 N. 37th Street Lincoln, NE 68583-0844</p> 			
High	Apply for grants (General)	Ongoing	The City of Hawarden SWAC members	<ul style="list-style-type: none"> • Find grant money to fund possible source water protection projects, education, research, outreach, and implementation. • Sign up for partners' newsletters to stay informed of new grants as they are released. • Send staff to grant writing workshops. • Reach out to new partners through grants. • Find grants to fund urban conservation practices. • Work with partners to find and secure grant funding for future source water protection education. • Work with partners to find and secure grant funding for future source water protection "on-the-ground" projects.

<p>High</p>	<p>Apply for grants (General)</p>	<p>Ongoing</p>	<p>The City of Hawarden SWAC members</p>	<ul style="list-style-type: none"> • Find grant money to fund possible source water protection projects, education, research, outreach, and implementation. • Sign up for partners' newsletters to stay informed of new grants as they are released. • Send staff to grant writing workshops • Reach out to new partners through grants. • Find grants to fund urban conservation practices. • Work with partners to find and secure grant funding for future source water protection education. • Work with partners to find and secure grant funding for future source water protection "on-the-ground" projects.
<p>High</p> <p></p> <p>*Important to continue.</p> <p>*Has value in collecting watershed information</p>	<p>Surface water Nitrate (as N) sampling.</p>	<p>Ongoing</p>	<p>City of Hawarden Sioux County Conservation Board</p>	<ul style="list-style-type: none"> • Important to collect data for a baseline within the capture zones. • Conduct periodic tests on surface water sites in the capture zones. (Depending on the season). • Landowners are encouraged to participate in surface water sampling. • We can use this data to help determine the need for conservation practices upstream throughout a

				<p>larger watershed, and within the capture zones.</p> <ul style="list-style-type: none"> • Continuous monitoring can document water quality improvements once practices are implemented. • This data collection should be continued as needed. • This can be a project for FFA or 4H. • Water samples in surface water: <ul style="list-style-type: none"> • Each pit • Runoff cache from Main Street • North "retired" gravel pits • Frog Pond • Dry Creek (multiple points) • High water in Central Park other concern areas as needed • Start in Spring: 2020 • Find cost annually for samples 3x per year: Foundation Analytical Cherokee, Iowa • Propose to Council for funding as soon as we have cost
High	Surface water Nitrate (as N) sampling.	Ongoing	City of Hawarden Sioux County Conservation Board	<ul style="list-style-type: none"> • Important to collect data for a baseline within the capture zones. • Conduct periodic tests on surface water sites in the capture zones. (Depending on the season). • Landowners are encouraged to participate in surface water sampling.

 *Important to	continue. * Has value in collecting watershed information			<ul style="list-style-type: none"> • We can use this data to help determine the need for conservation practices upstream throughout a larger watershed, and within the capture zones. • Continuous monitoring can document water quality improvements once practices are implemented. • This data collection should be continued as needed. • This can be a project for FFA or 4H. • Water samples in surface water: <ul style="list-style-type: none"> • Each pit • Runoff cache from Main Street • North retired gravel pits • Frog Pond • Dry Creek (multiple points) • High water in Central Park other concern areas as needed. • Start in Spring: 2020 • Find cost annually for samples 3x per year: Foundation Analytical Cherokee, Iowa • Propose to Council for funding as soon as we have cost.
High	Surface water Nitrate (as N) sampling.	Ongoing	City of Hawarden Sioux County Conservation Board	<ul style="list-style-type: none"> • Important to collect data for a baseline within capture zones. • Conduct periodic tests on surface water sites in the capture zones. (Depending

 <p>*Important to continue.</p>	<p>* Has value in collecting watershed information</p>			<p>on season).</p> <ul style="list-style-type: none"> • Landowners are encouraged to participate in surface water sampling. • We can use this data to help determine the need for conservation practices upstream throughout a larger watershed, and within the capture zones. • Continuous monitoring can document water quality improvements once practices are implemented. • This data collection should be continued as needed. • This can be a project for FFA or 4H. • Water samples in surface water: <ul style="list-style-type: none"> • Each pit • Runoff cache from Main Street • North retired gravel pits • Frog Pond • Dry Creek (multiple points) • High water in Central Park other concern areas as needed • Start in Spring: 2020 • Find cost annually for samples 3x per year: Foundation Analytical Cherokee, Iowa • Propose to Council for funding as soon as we have cost.
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PRIORITY: HIGH-MEDIUM

Priority	Activity	Status/Ideal Date	Contact	Comments/ Notes
High/ Medium	Official Site investigation, Iowa Geological Survey:	September 2020	City of Hawarden Mike Gannon (IGS)	<ul style="list-style-type: none"> Used to determine groundwater flow, surface /groundwater interaction, confirmation of the accuracy of groundwater modeled area, and for determining priority areas for implementation. May be covered by grant moneys in the future. Reference: Lyon-Sioux Rural System (Doon)
High/ Medium	Identify private well owners, well locations, and well conditions.	September 2020	City of Hawarden SWCD/ NRCS Staff Sioux County Engineer	<ul style="list-style-type: none"> The more data we have to identify private wells the easier it is to get the resources from Grants to Counties to those who need it.
High/ Medium	Utilize Grants to Counties through the county sanitarian to identify and plug abandoned, private wells.	May 2021	Sioux County Engineer Landowners/ Operators	<ul style="list-style-type: none"> This can help to identify and address potential point sources of contamination. Funding provided for private well testing. Septic system/private well inspections. Funding provided for cost share for well plugging. State Revolving Fund (SRF) (low interest) loan programs for septic systems.
High/ Medium	Integrate the use of deep rooted, native plants in the wellfield.	May 2021	City of Hawarden IDALS- Urban Conservationist Iowa DNR	<ul style="list-style-type: none"> The City of Hawarden can investigate the use of deep rooted, native vegetation in protection areas. Work with partners to seed or plant native

				<ul style="list-style-type: none"> • vegetation in protection areas. • Work with partners to establish and maintain native vegetation in protection areas. • Ask partners for seeding options. • Ask to provide educational opportunities for community members/school district to learn about native plants and the benefits. • Lessens the need for fertilizer/ pesticide use within the capture zones. • Project for 4-H, school district, • Community service, or city event.
High/ Medium	Integrate the use of deep rooted, native plants on city owned property.	May 2021	City of Hawarden IDALS- Urban Conservationist Iowa DNR	<ul style="list-style-type: none"> • The City of Hawarden can use deep rooted, native vegetation in city owned landscapes to utilize nitrogen in ground water. • The use of native vegetation lessens the need for fertilizer applications. • Provides an educational opportunity. • Project for 4-H, school district community service, or city event. • Work with partners to seed or plant native vegetation in city owned property. • Work with partners to

				<p>establish and maintain native vegetation in city owned property.</p> <ul style="list-style-type: none"> • Use the Mayor Monarch Pledge (see Appendix B) as a guide for introducing native plants into the urban landscape.
High/ Medium	Work with ISU Extension 4-H program coordinators.	January 2021 Ongoing	City of Hawarden ISU Extension	<ul style="list-style-type: none"> • Encourage children involved in 4-H to explore conservation practices within farming operations and urban landscapes. • Encourage children involved in 4-H to explore best management practice projects in rural and urban landscapes. • Opportunity to host educational events with other partners. • Encourage 4H projects related to soil health and water quality. • Begin project coordinating by August 2020 for following school year.
High/ Medium	Work with community organizations in Hawarden to develop Best Management Practices within rural and urban landscapes	September 2020 Ongoing	<p>City of Hawarden</p> <p>IDALS- Urban Conservationist</p> <p>NRCS Staff</p> <p>Hawarden Community</p> <p>School District</p> <p>Local partners/ organizations</p>	<ul style="list-style-type: none"> • This can encourage local community organizations to learn about proactive steps being taken in other communities. • Explore best management project fundraising by local organizations. • Opportunities for community projects that focus on partnering and community building

				<p>through source water protection.</p> <ul style="list-style-type: none">• Opportunities for a strong Soil Water Conservation District partnership with Hawarden Community School District FFAs, encouraging the participation in scholarship programs through conservation partners.
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PRIORITY: MEDIUM

Priority	Activity	Status/ Ideal date	Contact	Comments/ Notes
Medium	Ask other partners to distribute articles and to publish/distribute through their newsletters, social media, and websites.	Upcoming/ September 2020	City of Hawarden Partners	<ul style="list-style-type: none"> • Partners can utilize memberships to distribute source water information to broaden the audience. • Ask partners to share source water protection information with the City of Hawarden for content in city communications. • Conservation Board to distribute brochures regarding source water protection at Big Sioux Rec. Area.
Medium	Team members to host field days, workshops, and demonstrations related to conservation practices and BMPs.	May 2020 Ongoing	City of Hawarden SWAC members SWCD Commissioners/ Staff PFI	<ul style="list-style-type: none"> • This can allow team members involved in land use changes to highlight and demonstrate their personal contributions to source water protection. • This can create opportunities for more resources to focus on source water protection while communicating successes and challenges in land use changes. • This will not be limited to current partner offerings. • Iowa Water Conference • Practical Farmers of Iowa Annual Meeting • IDALS Urban Conservation Demonstrations
Medium	Encourage the proper handling and disposal of household hazardous materials as a community action step for source water protection.	Ongoing	City of Hawarden	<ul style="list-style-type: none"> • A short mention in the newsletter or on city water bills may be enough. • There is a drop off at the landfill.

				<ul style="list-style-type: none"> • Hazardous household waste pickup is once a year. • Add this information to source water protection brochure. • *See Appendix D
Medium	Work with the city council to integrate best management practices in upcoming public water supply projects.	Upcoming/ Ongoing As needed	City of Hawarden Iowa DNR IDALS-Urban Conservationist	<ul style="list-style-type: none"> • If more wells are added to the system in the future, the understanding of source water protection best management practices can be considered in the land use in these areas. • The City of Hawarden may choose to utilize source water protection information and BMPs in other projects.
Medium	Invite Iowa Learning Farms staff to present Water Rocks! In the Hawarden Community School District.	Annually	City of Hawarden ISU Extension Iowa Learning Farms SWCD Commissioners NRCS Staff Hawarden Community School District	<ul style="list-style-type: none"> • This can help school faculty and school-aged children learn about the water in our lives and how we interact with it. • Continue to find partners who work with students for water education.
Medium	Public recognition of participants and efforts put forth by the Hawarden source water team, partners, and stakeholders.	Annually	City of Hawarden	<ul style="list-style-type: none"> • TBD

Medium	Develop a metric for successful land use changes.	TBD	City of Hawarden Iowa DNR	<ul style="list-style-type: none"> • Do we track by acre? • Do we measure by practices? • Can NRCS help track that data? • Can Iowa DNR help house and track data? • Are farmers/ residents willing to share their contributions with the team/ the public?
Medium	Report source water successes to source water protection.	TBD No reporting established	City of Hawarden ??	<ul style="list-style-type: none"> • This can potentially result in a depository for all source water successes in the state. • This makes measurements easier to identify. • This makes challenges easier to identify • This creates a sense of larger community. • This helps define success throughout the state.

PRIORITY: IMPORTANT TO CONTINUE/DOCUMENT

Priority	Activity	Status/ Ideal Date	Contact	Comments/ Notes
Important to Continue	Run camera down wells during regular maintenance or as recommended.	Ongoing	City of Hawarden	<ul style="list-style-type: none"> • This can provide a visual assessment of the condition of the wells. • Currently (2020) the wells are on a 6-year maintenance inspection cycle; cameras are run every 12 years or as needed.
Important to Continue	Continue running cameras in sewer system for infrastructure maintenance.	Ongoing	City of Hawarden	<ul style="list-style-type: none"> • This can identify areas where there are concerns in the sewer system underground infrastructure. • The city has used this technique before for addressing sewer concerns • 1/3 of town is cleaned per year, making a 3-year cycle on entire town. • Cameras are used in areas where issues exist and are used as needed.
Important to Continue	Conduct smoke blowing in sewer system.	Ongoing	City of Hawarden Iowa Rural Water Association	<ul style="list-style-type: none"> • This can help identify sewer infrastructure leaks form the land surface. • Equipment rental is available through Iowa Rural Water Association:
Important to Continue	Identify septic systems in the capture zones.	Ongoing	Sioux County Engineer City of Hawarden	<ul style="list-style-type: none"> • Poorly maintained septic systems can become point sources for contamination. • Research funding for homeowners to cover cost of connecting to sewer or installing E1 (mini lift station) system. • Demonstration projects • Seek out SRF funding through County Engineer for these projects.

<p>Important to Continue</p> <p>Important to Document</p>	<p>Raw Groundwater nitrate (as N) sampling.</p>	<p>Ongoing</p>	<p>City of Hawarden</p>	<ul style="list-style-type: none"> • The City of Hawarden submits raw water samples for nitrate (as N) analyses. • The City of Hawarden may choose to conduct more frequent sampling. • This is a way to document changes in the nitrate (as N) concentrations of the groundwater. • Possible funding through grants for extra sampling/monitoring. • Quarterly samples required by state.
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PRIORITY: HIGH AFTER ESTABLISHING WATERSHED

Priority	Activity	Status/ Ideal date	Contact	Comments/ Notes
HIGH IMPORTANT TO DEVELOP	Find watershed information that can be used at a later date to help make source water protection decisions.	November 2020	City of Hawarden Sioux County NRCS IDALS Iowa DNR	<ul style="list-style-type: none"> The City of Hawarden can use the information available through the website: https://water.usgs.gov/wsc/reg/10.html Find other partners with detailed watershed maps and information.
HIGH AFTER ESTABLISH- ING WATERSHED	Discuss SWP with area farmers.	September 2020	City of Hawarden Source Water Team NRCS Staff SWCD Commissioners Outside Partners	<ul style="list-style-type: none"> Many area farmers are interested in participating in source water protection efforts in the capture zones. As members of the team, they can be informed of resource changes offered to ag producers related to these efforts. The wellbeing of the land and landowners' goals can be considered as source water protection efforts continue. Continue to find solutions with multiple benefits to ag production. The City of Hawarden can request that the land within the capture zones be officially prioritized by the Sioux County NRCS/SWCD staff.

<p>HIGH AFTER ESTABLISHING WATERSHED</p>	<p>Ask local elevator to participate in source water protection education and outreach.</p>	<p>September 2020</p>	<p>City of Hawarden Cooperative Farmers Elevator (CFE)</p>	<ul style="list-style-type: none"> • Cooperative Farmers Elevator has a strong customer base in the Hawarden area. • They can be approached to partner with the city to promote educational events to their customers. • Staff at CFE can benefit from educational events to help make more efficient and economically viable decisions with knowledge of long-term impacts on water quality. • Newsletters/ Articles • Events/Workshops • Cover Crop seed • Cover crop seeding • Educate customers about upcoming funding opportunities for various conservation projects.
<p>HIGH AFTER ESTABLISHING WATERSHED</p>	<p>Best Management Practices (BMP) education for utility staff and farmers in/around the capture zones.</p>	<p>May 2021</p>	<p>City of Hawarden SWAC members NRCS/SWCD Staff Sioux County Conservation Board</p>	<ul style="list-style-type: none"> • Use the expertise of NRCS/SWCD staff to learn about Best Management Practices (BMPs) both for utility staff and ag producers in the capture zones. • City of Hawarden source water team can be notified of changing or new resources related to learning opportunities. • Encourage team to attend field days and workshops to learn about conservation practices and how they relate to groundwater quality. • Find grants to pay for educational opportunities.

<p>HIGH AFTER ESTABLISHING WATERSHED</p>	<p>Encourage local farmers to sign up for memberships to membership based educational groups such as Practical Farmers of Iowa, Soil and Water Conservation Society, Iowa Chapter.</p>	<p>Ongoing</p>	<p>City of Hawarden Source Water Team Sioux County SWCD PFI Iowa SWCS</p>	<ul style="list-style-type: none"> • Watershed management may have a benefit to the groundwater. • See about discounts for membership or as a gift? • These organizations provide many resources to farmers and landowners regarding conservation practices. • PFI offers many learning opportunities and has partnered with communities in the past. • PFI offers mentorship through a community of farmers sharing their experiences with each other. • PFI is dedicated to the successful implementation of source water protection plans. • SWCS, Iowa Chapter offers benefits to a variety of professionals, but they encourage ag producers and landowners to join. • SWCS is a partner dedicated to the successful implementation of source water protection plans.
<p>HIGH AFTER ESTABLISHING WATERSHED</p>	<p>Work with ISU Extension to offer education and guidance to farmers, stakeholders, and community members in the capture zones.</p>	<p>Ongoing</p>	<p>City of Hawarden ISU Extension SWCD Commissioners</p>	<ul style="list-style-type: none"> • Ask for assistance in communicating agronomic benefits of conservation practices. • Resource for innovative best management practices for both rural and urban landscapes. • Attend future ISU Extension workshops/ events.

				<ul style="list-style-type: none"> • Research NW Iowa Farm data
HIGH AFTER ESTABLISHING WATERSHED	Encourage farmers/producers to test tile line effluent for nitrate (as N) on a regular basis.	August 2020 Ongoing	City of Hawarden Iowa Soybean Association Iowa Corn Growers ISU Extension SWCD Commissioners	<ul style="list-style-type: none"> • Monitoring nitrate losses from tile lines can help us determine BMP's for areas in the capture zones. • Iowa Soybean Association provides a testing kit and guidance for sampling through their lab. • Iowa Soybean Association encourages farmers to participate in their On-Farm Research Network. • Iowa Corn Growers provide Retain Kits.
HIGH AFTER ESTABLISHING WATERSHED	Supply funding to farmers in the capture zones for educational opportunities and on the ground conservation practices.	Ongoing	City of Hawarden Sioux County SWCD IDALS PFI NRCS	<ul style="list-style-type: none"> • If farmers are willing to attend educational workshops offered by NRCS, Sioux County SWCD, and other conservation groups the city may pay the farmers for mileage and cover costs of workshop fees. • These funds can be acquired through grants or local fundraising events • Partner with landowners, farmers, and agencies to find nontraditional funding for participants.
HIGH-MEDIUM	Help secure testing for farmers tile effluent (discharge).	June 2020 Ongoing	City of Hawarden Iowa Corn Growers Sioux County NRCS/SWCD	<ul style="list-style-type: none"> • Retain kits: Iowa Corn Growers • These can provide a method for tile line testing • Extra kits are available at The City of Hawarden city office. • Have a way to share the information gathered from landowners. • Find testing opportunities through other partners

IMPLEMENTATION OUTLINE:

UNDERSTANDING TERMS:

- a. Minimized risk to public health. Prevention program actions that minimize the risk of contaminants entering drinking water sources.
 - i. Using data collected by water system to quantify.
 - ii. Contamination prevention actions be linked to water quality changes shown in substantial, subsequent data collection?
 - iii. Use existing data that shows the link by the outcomes of removing protection (Hawarden example).
- b. Meaningful source water protection. Measures taken by public water system, both regulatory and non-regulatory, which contribute to managing contaminant sources so that a minimized risk is achieved.
- c. Potential contaminant source. Specific (point and non-point) sources from which contamination may originate.
- d. Source water. Untreated water from aquifers.
- e. Source water protection areas (capture zones and surface runoff area). Land delineated by DNR and other investigations

STRATEGY:

- f. Pollution prevention goals. Help public water supplies prevent pollution and protect their water resources at the local level.
 - i. Enhances operation and safeguards the water system.
 - ii. Create plans designed to include long term planning, minimizing hazard locations, and eliminating existing hazards.
- g. Move systems from assessments to meaningful source water protection.

VOLUNTARY AND LOCALLY BASED IMPLEMENTATION:

- h. Using incentives, education, and technical resources provided by partners.
 - i. Unique opportunities for communities involved in source water protection planning and implementation.
 - ii. Set goal of 50% implementation by 2020.
 - iii. State Revolving Fund (SRF) loan moneys for projects.
- i. Reporting implementation.
 - i. Measure effectiveness of long-term implementation of SWP by using:
 1. Water quality data trends.
 - a. Collected by system, private citizens, partners etc.
 2. The extent to which there is a shift in public perception and local responsibility toward water quality protection.

3. The number of local citizens involved in the program
 4. The number of acres of land placed in protective conservation measures.
 5. A qualitative estimate of the success of management approaches within the source water protection area.
- j. Developed, undeveloped, private, public land needs proper land management.
- i. Positive direction.
 - ii. Enhance support and sustainability of the programs.
 - iii. Explore nontraditional partners and create inclusion.

LIMITING FACTORS

- k. Limitations on the amount of financial technical assistance that can be provided to carry out plans by helping to put protective measures in place.
- l. Lack of grants- Preferred over loan assistance.
- m. Single, consistent, secure source of funding for meaningful source water efforts.
- n. Update rules and program goals for other agencies to better support source water protection efforts.
- o. Program missions may counter interests.

Institutional support, leadership, and public participation will all be necessary to achieve meaningful source water protection. Resource commitments are needed from partners. The resources need to be available to all stakeholders to have true success.

HELPFUL RESOURCES

For more detailed information regarding system operations of the Hawarden Water Supply, wells, and aquifer data found within the phase 1 assessment and the sanitary survey conducted by and provided through the Iowa DNR please visit <http://www.iowadnr.gov/Environmental-Protection/Water-Quality/Source-Water-Protection> .

Information and resources regarding **source water and source water protection**.

- Iowa Department of Natural Resources [The Iowa DNR Source Water Protection Program](#)

Information and resources regarding the use of **urban conservation**.

- Iowa Department of Agriculture: <https://www.iowaagriculture.gov/FieldServices/urbanConservationBMP.asp>

Information on **Drinking Water State Revolving Fund Loans**.

- Environmental Protection Agency resources: <https://www.epa.gov/drinkingwatersrf/dwsrf-eligibility-handbook>

Additional Information on source water protection efforts:

- National Source Water Collaborative <https://sourcewatercollaborative.org/>
- Iowa Source Water Ag Collaborative <https://sourcewatercollaborative.org/wp-content/uploads/2016/03/IowaSourceWaterAgricultural.pdf>
- USDA Web Soil Survey <https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>
- USGS Watershed website: Science In Your Watershed; BoyerWatershed <https://water.usgs.gov/wsc/cat/10230007.html>

APPENDIX

APPENDIX A:

HAWARDEN LETTER OF COMMITMENT



Bridget Durst, Source Water Community Facilitator
Conservation Districts of Iowa
DNR Field Office 3
1900 Grand Ave Suite E17
Spencer, Iowa 51301

08/26/2019

Dear Bridget,

Please accept this letter of commitment from the city of Hawarden to participate in Source Water Protection (SWP) Planning. We agree to working with you as our Source Water Community Facilitator throughout this process. We understand that this is a volunteer led project carried out by the city, our community members, and local agricultural producers. We recognize that in order to implement the Source Water Protection Plan (SWPP or Phase 2 Assessment) we must dedicate time and monetary funding when necessary.

We recognize that by investing in Source Water Protection we are working to decrease the need for substantial costs to our community in the future.

We are aware of the purpose of creating our SWPP is to address the rising nitrate levels in our public water system and that our plan will include steps to address the need for best management practices in areas that effect aquifers that supply drinking water to our community.

We have been given information regarding the 7 Steps for Source Water Protection:

1. Organize a Source Water Team
2. Identify Source Water Capture Zones
3. Inventory Well Contaminant Sources
4. Prioritize Contaminant Sources
5. Develop an Action Plan
6. Sign Affidavit for Emergency Response Plan
7. Submit and Implement Plan

We realize that by following the SWP Guidebook and SWP Workbook we are given the direction necessary to complete the SWPP to the standards created by the Iowa Department of Natural Resources in order to have the SWPP approved by the Iowa DNR. We also understand that we do not have to wait for approval to begin implementing the steps written in our SWPP.

We understand that the process is potentially lengthy, but we are committed to completing and submitting our SWPP in a timely manner with an ideal deadline of June 30, 2019. In order to do

1150 Central Ave ~ Hawarden, IA 51023
Ph (712) 551-2565 ~ Fax (712) 551-1117
www.cityofhawarden.com ~ www.hawardendevlopment.com

APPENDIX B:

MAYOR MONARCH PLEDGE ACTION ITEMS (GUIDANCE ONLY)

Visit: www.nwf.org/mayorsmonarchpledge to take the pledge and access resources.

COMMUNICATIONS & CONVENING:

- Issue a Proclamation to raise awareness about the decline of the monarch butterfly and the species' need for habitat.
- Launch a public communication effort to encourage citizens to plant monarch gardens at their homes or in their neighborhoods.
- Communicate with community garden groups and urge them to plant native milkweeds and nectar-producing plants.
- Convene City Park and public works department staff and identify opportunities for revised mowing programs and milkweed / native nectar plant planting programs.
- Convene a meeting with gardening leaders in the community to discuss partnerships to support monarch butterfly conservation.

PROGRAM & DEMONSTRATION GARDENS:

- Host or support a native plant sale or milkweed seed giveaway event.
- Facilitate or support a milkweed seed collection and propagation effort.
- Plant a monarch-friendly demonstration garden at City Hall or another prominent location.
- Convert abandoned lots to monarch habitat.
- Plant milkweed and native nectar plants in medians and public rights-of-way.
- Launch a program to plant native milkweeds and nectar plants in school gardens by engaging students, teachers, and the community.
- Earn recognition for being a wildlife-friendly city by expanding your action plan to include other wildlife and habitat conservation efforts through a program like the NWF Community Wildlife Habitat program
- Create a monarch neighborhood challenge to engage neighborhoods and homeowners' associations within the city to create habitat for the monarch butterfly.
- Initiate or support citizen-science efforts that help monitor monarch migration and health.
- Add milkweed and nectar producing plants in community gardens.
- Expand invasive species removal programs to make it possible to re-establish native milkweed and nectar plants to the landscape.
- Host or support a city monarch butterfly festival.

SYSTEMS CHANGE:

- Remove milkweed from the list of noxious plants in city weed / landscaping ordinances (if applicable).
- Change weed or mowing ordinances to allow for native prairie and plant habitats.
- Increase the percentage of native plants, shrubs and trees that must be used in city landscaping ordinances and encourage use of milkweed where appropriate.
- Direct city property managers to consider the use of native milkweed and nectar plants at city properties where appropriate.
- Integrate monarch butterfly conservation into the city's Park Master Plan, Sustainability Plan,
- Climate Resiliency Plan or other city plans.
- Change landscape ordinances to support integrated pest management and reduced use of pesticides and insecticides.
- Ban the use of neonicotinoid pesticides, or plants and seeds treated with neonicotinoid pesticides, on city lands.

APPENDIX C:

COMMUNITY FLYER

A REVISABLE WORD DOCUMENT IS AVAILABLE TO THE CITY OF HAWARDEN

3 simple actions to protect your local drinking water



Soil Testing

Applying the correct amount of nutrients to your land can help reduce the amount of loss. The City of Hawarden can provide information and

resources for soil testing kits to community members.



Plant native species.

These plants are great to have in your landscape and help

to reduce the need for fertilizer. The city of Hawarden will help to provide seeds and education opportunities for community members.



Learn about your drinking water sources.

What affects your drinking water is unique to the wells, types of land use in the area, geology, and the amount of water being used. The City of Hawarden will have a copy of a drinking water protection plan available to all community members.

Contact Hawarden City Office for more information.

Michael DeBruin, City Administrator
City of Hawarden
1150 Central Avenue
Hawarden, Iowa 51023
712-551-4400

miked@cityofhawarden.com

City Hall Hours:
Monday - Friday
7:30 a.m. - 4:30 p.m.

<https://cityofhawarden.com>

Hawarden, Iowa
Drinking

Water

Protection

**Community Led
Action to Preserve
Our
Drinking Water
Resources**



APPENDIX C: COMMUNITY FLYER CONTINUED



Community Connection

The city of Hawarden is actively involved in establishing and maintaining a voluntary Drinking Water Protection Plan.

This plan will help the community work together to have a positive and direct impact on the water supply for your community now and for generations to come.

We are calling out to all citizens, city officials and staff, business partners, landowners, agricultural producers, and other stakeholders to join us!

Goals and Objectives:

Drinking Water Protection Plan

- Safeguard the health of community members
- Prevent financial burdens to customers
- Educate community members about drinking water sources and what affects their quality.
- Find non-traditional partners and resources to address concerns of contaminants.
- Provide information and resources to all community members.
- Provide public with tools for source water protection implementation.
- Connect water utilities to the community for outreach.
- Connect water utilities with area urban and rural community members.
- Connect water utilities with youth through education.
- Connect water utilities to source water protection resources.
- Encourage open discussions through public meetings.



PROTECTING OUR DRINKING WATER AT THE SOURCE.

Find out more information about resources through the City of Hawarden!

A copy of the drinking water protection plan will be available online or at the city office.

ORDINANCE NO. 727

AN ORDINANCE AMENDING THE CODE OF ORDINANCES OF THE CITY OF HAWARDEN IOWA, BY ADDING A NEW CHAPTER REGULATING NON-PUBLIC WELL OR WATER SUPPLY SYSTEMS WITHIN THE CITY LIMITS OF HAWARDEN, IOWA.

WHEREAS, the City of Hawarden sources its drinking water from municipal wells located in the City; and,

WHEREAS, a safe water supply free from contamination is essential to the City's citizens; and,

Whereas, non-public water wells are a potential source of groundwater contamination; and

WHEREAS, it is in the best interests of the City and its citizens that potential sources of contamination of the City's water supply be minimized.

NOW THEREFORE BE IT ENACTED by the City Council of Hawarden, Iowa:

SECTION 1. The Code of Ordinances of the State of Iowa is amended by adding a new Chapter 93 entitled REGULATION OF NON-PUBLIC WELL OR WATER SUPPLY SYSTEMS WITHIN THE CITY LIMITS as follows:

CHAPTER 93

REGULATION OF NON-PUBLIC WELL OR WATER SUPPLY SYSTEMS WITHIN THE CITY LIMITS

93.01 Non-Public Well Definition.

93.02 Private Water Supply System Definition.

93.03 Limitations on New Non-Public Wells and Water Supply Systems.

93.04 Registration of Existing Non-Public Wells

93.05 Restrictions on Operation of Non-Public Wells and Water Supply Systems

93.01 DEFINITION OF WELL. For purposes of this Chapter a Non-Public Well is a manmade access point, including but not limited to a device or structure, created to access subsurface water which is not a part of a Public Water Supply Systems as defined at 42 USCS § 300f(4).. Wells may be bored or drilled (horizontally or vertically) or constructed as a vertical or horizontal shaft.

93.02 DEFINITION OF PRIVATE WATER SUPPLY SYSTEM. For purposes of this Chapter, a system for the provision of water through pipes or other constructed conveyances accessed by means of a well which are not Public Water Supply Systems as defined at 42 USCS § 300f(4).

93.03 LIMITATIONS ON NEW NON-PUBLIC WELLS AND WATER SUPPLY SYSTEMS. No non-public well or water supply system shall be installed where a public water supply system is reasonably accessible to the landowner. The determination of accessibility shall

be made by the Director of Public Works. Access to a public water supply within 500 feet of the nearest boundary of the property shall be presumed to be within a reasonable distance.

93.04 REGISTRATION OF EXISTING NON-PUBLIC WELLS. Property owners who have an existing non-public well on their property shall contact the Hawarden City Office to disclose the existence of the non-public well and the street address of the property where the non-public well is located within 90 days of the date of publication of this Ordinance. The City Clerk shall maintain a list of all non-public wells and their location.

93.05 RESTRICTIONS ON OPERATION OF NON-PUBLIC WELLS AND WATER SUPPLY SYSTEMS. A non-public well or water supply system shall not be connected nor operated in a manner which will create the possibility of cross contamination of a public water system.

SECTION 2. All ordinances or parts of ordinances in conflict with the provision of this Ordinance are hereby repealed.

SECTION 3. If any section, provision or part of this ordinance shall be adjudged invalid or unconstitutional, such adjudication shall not affect the validity of the ordinance as a whole or any section, provision or part thereof not adjudged invalid or unconstitutional.

SECTION 4. This ordinance shall be in effect from and after its final passage, approval and publication as provided by law.

Passed and Approved this 28th day of October 2020.

Ricard R. Porter, Mayor

ATTEST:

Michael DeBruin, City Clerk

First Reading:	September 23, 2020
Second Reading:	October 14, 2020
Third Reading:	October 28, 2020

I hereby certify that the foregoing Ordinance No. 721 was published in the Hawarden Independent, a newspaper printed and published and has a circulation in the City of Hawarden, Iowa on the 28th day of October 2020.

Michael DeBruin, City Administrator/Clerk

RESOLUTION No. 2020-35

**A RESOLUTION ACCEPTING REAL PROPERTY AND DEDICATING THE
PROPERTY FOR PUBLIC USE FOR STREET PURPOSES AND DESIGNATING THE
PROPERTY AS 27th STREET**

Whereas, Sandwater Corporation is the owner of the property in the City of Hawarden, Sioux County, Iowa legally described as The South 32.5 Feet of the North One-Half of Lot Four (4), Johnson's Second Addition to Calliope, now a part of the Incorporated City of Hawarden, Iowa; and

Whereas, the City of Hawarden finds that this property has been maintained by the City as a street for many years and further finds that the maintenance of this street serves the public purpose and that this land should be dedicated to the public use as a street to be known and referred to as 27th Street; and,

Whereas, Sandwater Corporation proposes to sell the property to the City of Hawarden for use as a public street for a purchase price of one dollar.

NOW, THEREFORE, BE IT RESOLVED by the City Council of Hawarden, Iowa as follows:

1. That the City Administrator is authorized to purchase the above described property from Sandwater Corporation for one dollar.
2. That the property when purchased is dedicated to the public use as a street to be designated as 27th Street.
3. The City Administrator or his designee shall file a copy of this Resolution with the Sioux County Recorder, Sioux County Auditor and Sioux County Assessor.
4. The Mayor and City Administrator shall revise the Official Street Name Map to reflect this change.

Passed and approved this 23rd day of September 2020.

Attest:

Michael DeBruin City Administrator

Ricard Porter, Mayor

WARRANTY DEED
(CORPORATE GRANTOR)
Recorder's Cover Sheet

Preparer Information:

James H. Pickner, Box 113 Hawarden, Iowa 51023
Phone: (712) 551-2724

Taxpayer Information:

City of Hawarden, 1150 Central Avenue, Hawarden, Iowa 51023

Return Document To:

James H. Pickner, Box 113 Hawarden, Iowa 51023

Grantors:

Sandwater Corporation
Kay G. Borchers

Grantees:

City of Hawarden

Legal Description: See Page 2

Document or instrument number of previously recorded documents:



**WARRANTY DEED
(Corporate Grantor)**

For the consideration of one and more Dollar(s) and other valuable consideration, Sandwater Corporation, a corporation organized and existing under the laws of Iowa does hereby Convey to City of Hawarden, an Iowa Municipal Corporation the following described real estate in Sioux County, Iowa:

This deed is exempt according to Iowa Code 428A.2(21).

The South 32.5 Feet of the North One-Half (N 1/2) of Lot Four (4), Johnson's Second Addition to Calliope, now a part of the Incorporated Town of Hawarden, Iowa

Conveyance for use as a public street

The Corporation hereby covenants with grantees, and successors in interest, that it holds the real estate by title in fee simple; that it has good and lawful authority to sell and convey the real estate; that the real estate is free and clear of all liens and encumbrances, except as may be above stated; and it covenants to Warrant and Defend the real estate against the lawful claims of all persons, except as may be above stated.

Words and phrases herein, including acknowledgment hereof, shall be construed as in the singular or plural number, according to the context.

Dated: _____, 2020.

Sandwater Corporation, an Iowa corporation

By _____
Kay G. Borchers, President

STATE OF IOWA, COUNTY OF SIOUX

This record was acknowledged before me on _____, 2020 by Kay G. Borchers, as President, of Sandwater Corporation.

Signature of Notary Public



Summary

Parcel ID 1326301002
Alternate ID 131200
Property Address N/A
Sec/Twp/Rng N/A
Brief Tax Description L4 S32.5' OF N82.5' JOHNSON'S 2ND ADD
 (Note: Not to be used on legal documents)
Deed Book/Page
Contract Book/Page
Gross Acres 0.00
Net Acres 0.00
Class R - Residential
 (Note: This is for tax purposes only. Not to be used for zoning.)
District 050 - HAWARDEN CITY/WEST SIOUX SCH/050
School District WEST SIOUX COMMUNITY SCHOOL

Owners

Deed Holder	Contract Holder	Mailing Address
Sandwater Corporation 4349 Cherry Ave / PO Box 193 Hawarden IA 51023		Sandwater Corporation 4349 Cherry Ave/ PO Box 193 Hawarden IA 51023

Land

Lot Area 0.20 Acres ; 8,712 SF

Valuation

	2020	2019	2018	2017	2016
Classification	Residential	Residential	Residential	Residential	Residential
+ Assessed Land Value	\$600	\$600	\$400	\$400	\$400
+ Assessed Building Value	\$0	\$0	\$0	\$0	\$0
+ Assessed Dwelling Value	\$0	\$0	\$0	\$0	\$0
= Gross Assessed Value	\$600	\$600	\$400	\$400	\$400
- Exempt Value	\$0	\$0	\$0	\$0	\$0
= Net Assessed Value	\$600	\$600	\$400	\$400	\$400

Taxation

	2019 Pay 2020-2021	2018 Pay 2019-2020	2017 Pay 2018-2019	2016 Pay 2017-2018
+ Taxable Land Value	\$330	\$228	\$222	\$228
+ Taxable Building Value	\$0	\$0	\$0	\$0
+ Taxable Dwelling Value	\$0	\$0	\$0	\$0
= Gross Taxable Value	\$330	\$228	\$222	\$228
- Military Credit	\$0	\$0	\$0	\$0
= Net Taxable Value	\$330	\$228	\$222	\$228
x Levy Rate (per \$1000 of value)	37.19949	37.45579	37.45699	37.43985
= Gross Taxes Due	\$12.28	\$8.54	\$8.32	\$8.54
- Ag Land Credit	\$0.00	\$0.00	\$0.00	\$0.00
- Family Farm Credit	\$0.00	\$0.00	\$0.00	\$0.00
- Homestead Credit	\$0.00	\$0.00	\$0.00	\$0.00
- Disabled and Senior Citizens Credit	\$0.00	\$0.00	\$0.00	\$0.00
- Business Property Credit	\$0.00	\$0.00	\$0.00	\$0.00
= Net Taxes Due	\$12.00	\$8.00	\$8.00	\$8.00

Tax History

Year	Due Date	Amount	Paid	Date Paid	Receipt
2019	March 2021	\$6	No		413621
	September 2020	\$6	No		
2018	March 2020	\$4	Yes	9/12/2019	315991
	September 2019	\$4	Yes	9/12/2019	
2017	March 2019	\$4	Yes	9/17/2018	212570
	September 2018	\$4	Yes	9/17/2018	
2016	March 2018	\$4	Yes	8/31/2017	103642
	September 2017	\$4	Yes	8/31/2017	
2015	March 2017	\$4	Yes	3/6/2017	901435
	September 2016	\$4	Yes	9/8/2016	
2014	March 2016	\$4	Yes	9/5/2015	800641
	September 2015	\$4	Yes	9/5/2015	

Mailing Labels

Distance:

100

Fee

- Show All Owners
- Show Parcel ID on Label

Use Address From:

- Owner
- Property

Select export file format:

Address labels (5160)

Skip Labels

0

International mailing labels that exceed 5 lines are not supported on the Address labels (5160). For international addresses, please use the xls, csv or tab download formats.

Download

Homestead Tax Credit Application

[Apply online for the Iowa Homestead Tax Credit](#)

Military Service Tax Exemption Application

[Apply online for the Iowa Military Tax Credit](#)

Business Property Tax Credit Application

[Apply online for the Iowa Business Property Tax Credit](#)

Property Record Card

Property Record Card

No data available for the following modules: DBA, Residential Dwellings, Commercial Buildings, Agricultural Buildings, Yard Extras, Sales, Permits, Tax Sale Certificates, Photos, Sketches.

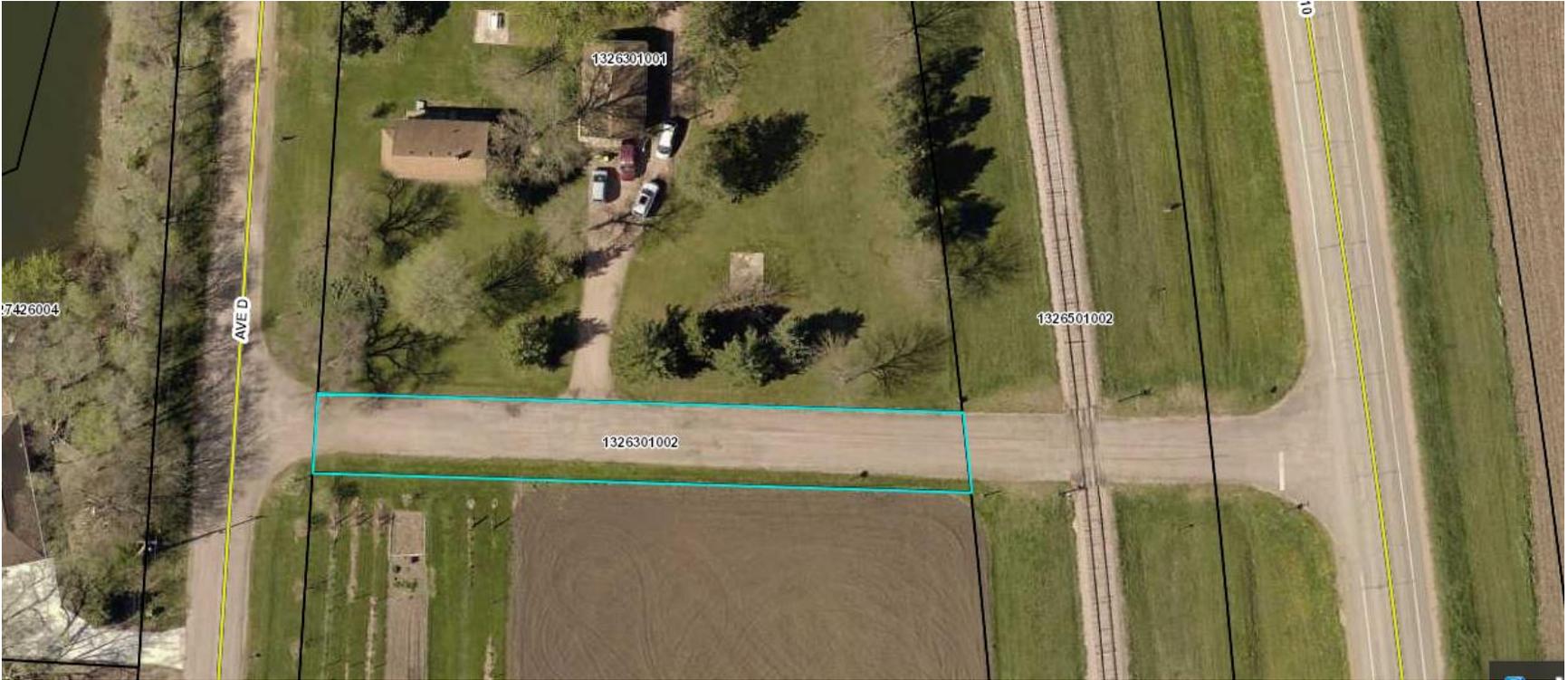
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Version 2.3.85



RESOLUTION No. 2020-36

City Street Financial Report

Now therefore let it be resolved that the city council Hawarden, Iowa
On September 23, 2020 did hereby approve and adopt the annual
City Street Financial report from July 1, 2019 to June 30, 2020

Contact Information

Name	Email Address	Street Address	City	ZIP Code
Jacob Stoner	jacobs@cityofhawarden.com	1150 Central Avenue	Hawarden, Iowa	51023
Hours	Phone			
7:30 am to 4:30 pm	712-551-2565			

Preparer Information

Name	Email Address	Phone
Jacob Stoner	jacobs@cityofhawarden.com	712-551-2565

Mayor Information

Name	Email Address	Street Address	City	ZIP Code
Ricard R. Porter	porterfuneral@outlook.com	1150 Central Avenue	Hawarden, Iowa	51023
Phone				
712-551-2565				

Ricard Porter, Mayor

ATTEST:

Michael DeBruin, City Administrator

Street Finance Report for Hawarden 2020

Summary	General Fund Streets (001)	Special Revenues		Debt Service (200)	Capital Projects (300)	Utilities (600 & Up)	Grand Total
		Road Use (110)	Other				
Beginning Balance		\$6,968					\$6,968
Expense	\$175,777	\$250,290	\$224,140	\$140,075			\$790,282
Revenue	\$175,777	\$327,259	\$224,140	\$140,075			\$867,251
Ending Balance		\$83,937					\$83,937

Resolution Number:

Execution Date:

Signature:

Street Finance Report for Hawarden 2020

Expenses	General Fund Streets (001)	Special Revenues		Debt Service (200)	Capital Projects (300)	Utilities (600 & Up)	Grand Total
		Road Use (110)	Other				
Salaries - Roads/Streets		\$133,297					\$133,297
Benefits - Roads/Streets	\$10,592	\$13,657	\$30,822				\$55,071
Training & Dues	\$494						\$494
Building & Grounds Maint. & Repair	\$1,010						\$1,010
Vehicle & Office Equip Operation and Repair	\$38,064						\$38,064
Other Utilities	\$12,382						\$12,382
Other Maintenance and Repair	\$600						\$600
Insurance	\$6,300						\$6,300
Other Contract Services	\$1,513	\$278					\$1,791
Operating Supplies	\$25,546	\$19,498					\$45,044
Street - Preservation		\$75,260					\$75,260
Other Capital Outlay	\$47,274						\$47,274
Principal Payment				\$120,000			\$120,000
Interest Payment				\$19,625			\$19,625
Bond Registration Fees				\$450			\$450
Transfer Out			\$190,075				\$190,075
Street Lighting	\$17,574						\$17,574
Snow Removal	\$14,428	\$8,300	\$3,243				\$25,971
Total	\$175,777	\$250,290	\$224,140	\$140,075	\$0	\$0	\$790,282

Street Finance Report for Hawarden 2020

Revenues	General Fund Streets (001)	Special Revenues		Debt Service (200)	Capital Projects (300)	Utilities (600 & Up)	Grand Total
		Road Use (110)	Other				
Levied on Property	\$125,197		\$34,065				\$159,262
TIF Revenues			\$190,075				\$190,075
State Revenues - Road Use Taxes		\$327,259					\$327,259
Charges/fees	\$580						\$580
Transfer In	\$50,000			\$140,075			\$190,075
Total	\$175,777	\$327,259	\$224,140	\$140,075	\$0	\$0	\$867,251

Street Finance Report for Hawarden 2020

Bond/Loan Description	Principal Balance As of 7/1	Total Principal Paid	Total Interest Paid	Principal Roads	Interest Roads	Principal Balance As of 6/30
16th Street	\$755,000	\$120,000	\$19,625	\$120,000	\$19,625	\$635,000

Street Finance Report for Hawarden 2020

Description	Model Year	Usage Type	Cost	Purchased Status
Alliance Street Sweeper	2011	Purchased	\$133,000	No Change
Jack Hammer	2008	Purchased	\$7,295	No Change
Street Roller	2008	Purchased	\$10,745	No Change
Packer	2004	Purchased	\$2,160	No Change
Skid Loader Trailer	2004	Purchased	\$2,174	No Change
John Deer Roadgrader	1990	Purchased	\$50,000	No Change
Sullair Air Compressor	1996	Purchased	\$12,000	No Change
Snowblower for JD Mower	2012	Purchased	\$1,569	No Change
International Plow Truck	2005	Purchased	\$54,617	No Change
GMC Single Axle 7500	2006	Purchased	\$57,500	No Change
Ford F250 Pickup	2013	Purchased	\$20,750	No Change
John Deere Z970 Mower	2015	Purchased	\$15,000	No Change
John Deer Payloader	2015	Purchased	\$169,750	No Change
Bobcat Skidloader	2014	Purchased	\$32,969	No Change
JD Tractor Mower	2016	Purchased	\$29,870	No Change
International Plow Truck	2011	Purchased	\$70,000	New
McLaughlin Vacuum	2018	Purchased	\$59,348	New

Street Finance Report for Hawarden 2020

Project Description	Contract Price	Final Price	Contractor Name
Mainstreet Resurfacing	\$224,884	\$224,884	Knife River

City of Hawarden, Iowa
 1150 Central Avenue
 Hawarden, IA 51023

ATTACHMENT TO CERTIFICATE FOR PAYMENT NO. 2 FINAL
 Utility Relocation Project

GM Contracting, Inc.
 19810 515th Ave., PO Box 736
 Lake Crystal, MN 56055

DGR PROJECT NO. 817952

SUMMARY OF COMPLETED WORK

Item No.	No. of Units CO 1	Description	Unit Price	Total Price	This Application		Completed to Date	
					Quantity	Amount	Quantity	Amount
1	1	Mobilization, lump sum	\$21,800.00	\$21,800.00	0	\$0.00	1	\$21,800.00
2	274	4" Type 1 Railroad and highway crossing, including casing and carrier pipe, per lin. ft.	\$183.97	\$50,407.78	0	\$0.00	274	\$50,407.78
3	275	4" Type 2 Stream Crossing, including carrier pipe, per lin. ft.	\$92.59	\$25,462.25	0	\$0.00	275	\$25,462.25
4	18	4" PVC Force main, including valve and appurtenances, per lin. ft.	\$92.59	\$1,666.62	0	\$0.00	18	\$1,666.62
5	1	Air release MH, valves and appurtenances, lump sum	\$9,712.97	\$9,712.97	0.05	\$485.65	1.00	\$9,712.97
6	2	Connect to existing, per ea.	\$5,630.00	\$11,260.00	0	\$0.00	2	\$11,260.00
7	1	Abandon existing FM, lump sum	\$750.00	\$750.00	0	\$0.00	1	\$750.00
8	1	Site restoration, lump sum	\$6,500.00	\$6,500.00	0	\$0.00	1	\$6,500.00
9	1	Bypass pumping, lump sum	\$1,000.00	\$1,000.00	0	\$0.00	1	\$1,000.00
CO1-1	1	Removal of grout fill, lump sum	-\$500.00	(\$500.00)	0	\$0.00	1	(\$500.00)

TOTAL CONTRACT CHANGE ORDER NO. 1

\$128,059.62

TOTAL WORK THIS APPLICATION

\$485.65

TOTAL WORK COMPLETED TO DATE

\$128,059.62



SUMMARY

VALUE OF WORK COMPLETED TO DATE	\$480,287.14	ORIGINAL CONTRACT PRICE.....	<u>\$ 780,982.85</u>
PLUS MATERIALS STORED ON SITE:		EXPECTED FINAL CONTRACT COST (w/C.O.s, Additions & Deletions).....	\$ 780,982.85
		LESS TOTAL PAYMENTS, INCLUDING THIS PAYMENT.....	<u>\$456,272.78</u>
		EXPECTED CONTRACT BALANCE AFTER THIS PAYMENT.....	<u>\$324,710.07</u>
		% OF EXPECTED FINAL CONTRACT PRICE PAID, INCL. THIS PAYMENT.....	58%
LESS 'COMPLETED UNITS' RETAINAGE...(5% ON UNITS COMPLETED).....	<u>\$ 24,014.36</u>		
TOTAL AMOUNT DUE INCLUDING THIS PAYMENT.....	\$456,272.78	5% 'COMPLETED UNITS' RETAINAGE HELD THIS PAY REQUEST: <u>\$ 17,431.61</u>	
LESS ESTIMATES PREVIOUSLY APPROVED.....			
Pay Estimate No. 1.....	\$125,072.30		
Pay Estimate No. 2.....			
Pay Estimate No. 3.....			
Pay Estimate No. 4.....			
Pay Estimate No. 5.....			
Pay Estimate No. 6.....			
Pay Estimate No. 7.....			
Pay Estimate No. 8.....			
Pay Estimate No. 9.....			
Pay Estimate No. 10.....			
Pay Estimate No. 11.....			
TOTAL AMOUNT DUE THIS ESTIMATE.....	<u>\$331,200.48</u>		

The undersigned Contractor hereby certifies that payment has been made in full for all labor and materials incorporated in the project to date, in accordance with the terms of the Construction Contract.

Prepared by Karian Peterson Powerline Contracting, LLC., Contractor

By Date 9/18/20

CERTIFICATE

THE AMOUNT OF \$ \$331,200.48 IS APPROVED FOR PAYMENT ACCORDING TO THE TERMS OF THE CONTRACT.

City of Hawarden, Owner
 By _____
 Title _____
 Date _____

DGR Engineering, Engineer
 By
 Date 09-18-2020

PAY ESTIMATE NO. 2

SOUTH CIRCUIT DISTRIBUTION CONVERSION
 CITY OF HAWARDEN, IOWA
 DGR Project Number 413610

For Period From: 07/24/2020 To: 9/17/2020
 Contractor: Karian Peterson Powerline Contracting, LLC
 Bid Date: April 2, 2020



Unit No.	Name and Description of Construction Unit	No. of Units	UNIT PRICE				WORK COMPLETED TO DATE (Including this Pay Period)			WORK COMPLETED THIS PERIOD		
			Labor	Material	L & M	Ext. Price L & M	Units Comp.	% Comp.	Value of Comp. Work	Units Comp.	% Comp.	Value of Comp. Work
UR5-(4)2P	Bore with conduit, (4)2" (Mft.)	0.800	15,000.00	-	15,000.00	12,000.00	0.373	47%	\$5,595.00			
UR5-(6)2P	Bore with conduit, (6)2" (Mft.)	0.330	20,000.00	-	20,000.00	6,600.00	0.315	95%	\$6,300.00	0.315	95%	\$6,300.00
UR5-(7)2P	Bore with conduit, (7)2" (Mft.)	0.350	30,000.00	-	30,000.00	10,500.00						
UR6-(24)	Bore without conduit, 24" deep (Mft.)	1.835	11,000.00	-	11,000.00	20,185.00	1.880	102%	\$20,680.00	1.366	74%	\$15,026.00
UR6-(48)	Bore without conduit, 48" deep (Mft.)	9.280	12,000.00	-	12,000.00	111,360.00	6.061	65%	\$72,732.00	5.069	55%	\$60,828.00
ASP-REM	Asphalt pavement removal (sq. yd.)	10.0	5,000.00	-	5,000.00	50,000.00						
ASP-REP	Asphalt replacement (ton)	2.0	8,000.00	800.00	8,800.00	17,600.00						
PCC-REM	Concrete pavement removal (sq. yd.)	10.0	1,500.00	-	1,500.00	15,000.00						
PCC-REP	Portland cement concrete replacement (cu. yd.)	2.0	5,000.00	250.00	5,250.00	10,500.00						
UR9-S	Shallow crossing (Mft.)	0.050	15,000.00	-	15,000.00	750.00						
UR-LDS	Lawn damage seeding (Mft.)	0.430	1,000.00	250.00	1,250.00	537.50	0.253	59%	\$316.25	0.193	45%	\$241.25
IUG	1Ø transformer removal (ea.)	3	225.00	-	225.00	675.00						
IUG3	3Ø transformer removal (ea.)	3	300.00	-	300.00	900.00						
IUG PAD	1Ø transformer boxpad removal (ea.)	1	175.00	-	175.00	175.00						
IUG3 PAD	3Ø transformer boxpad removal (ea.)	1	200.00	-	200.00	200.00	1	100%	\$200.00	1	100%	\$200.00
IUM33	3Ø primary sectionalizing enclosure removal (ea.)	9	250.00	-	250.00	2,250.00	2	22%	\$500.00			
MOB	Mobilization (as req'd)	1	5,000.00	-	5,000.00	5,000.00	1	100%	\$5,000.00			

TOTAL CONTRACT PRICE: \$780,982.85

TO DATE: \$480,287.14

THIS PERIOD: \$348,632.09

**CITY OF HAWARDEN
JOINT PLANNING SESSION
HAWARDEN CITY COUNCIL & HAWARDEN REGIONAL
HEALTHCARE BOARD
Hawarden City Hall – Hawarden Community Center
Wednesday, September 23, 2020, immediately following the Regular
Meeting at 5:30 p.m.**

Agenda Items

- 1. Continued Discussion on the Local Option Sales Tax Money.**
- 2. Adjournment**