

**MINUTES OF THE
ENVIRONMENTAL PROTECTION COMMISSION
MEETING**

September 17, 2019

**State of Iowa Capitol Room 116
1007 East Grand Ave, Des Moines, IA**

Approved by the Commission October 15, 2019

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Meeting Minutes

CALL TO ORDER

The meeting of the Environmental Protection Commission was called to order by Chairperson Ralph Lents at 10:00 a.m. on September 17, 2019 at the State of Iowa Capitol in Des Moines, IA.

COMMISSIONERS PRESENT

- Stephanie Dykshorn
- Amy Echard
- Lisa Gochenour
- Howard Hill
- Harold Hommes
- Tim Kaldenberg
- Ralph Lents
- Bob Sinclair

COMMISSIONERS ABSENT

- Rebecca Guinn

APPROVAL OF AGENDA

Motion was made by Bob Sinclair to approve the agenda as presented. Seconded by Lisa Gochenour. Motion passes.

AGENDA APPROVED

APPROVAL OF MINUTES

Motion was made by Bob Sinclair to approve the August 20, 2019 EPC minutes as presented. Seconded by Stephanie Dykshorn. Motion passes.

APPROVED AS PRESENTED

MONTHLY REPORTS

- Acting Division Administrator Ed Tormey was absent from the meeting. Alex Moon, Land Quality Bureau Chief, represented the division and had no report.
- The monthly report(s) has been posted on the DNR’s website under the appropriate meeting month: <http://www.iowadnr.gov/About-DNR/Boards-Commissions>

INFORMATION

DIRECTOR’S REMARKS

- Director Kayla Lyon thanked the Commission for the educational opportunities with viewing rural and urban collaboration with Easter Lake and joint partnerships with communities impacted by the work of the Department.
- Director Kayla Lyon announced two appointments at the Department. Alicia Plathe will be serving as the Director’s Executive Secretary and Tammie Krausman will be serving as the Department’s Legislative Liaison.
- Director Kayla Lyon summarized her summer travels around the state meeting DNR team members and stakeholders and visiting state owned properties.
- Deputy Director Bruce Trautman announced his retirement at the end of September. He thanked the DNR staff and Commissioners for their service and the outstanding work they do every day. During his retirement, he plans to travel, spend time with family, and be outdoors fishing and hunting.

INFORMATION

On behalf of the Commission, Chairperson Lents thanked Bruce Trautman for his service to the state.

FY 2021 BUDGET REQUEST

Jennifer Nelson presented the proposed FY 2021 budget for the Governor. She summarized the steps and timeframes to accomplish the various steps of the process including the involvement of the Governor’s Office and Legislature. She walked through each of the subsections of the request and provided examples of uses of general funds and other DNR funding.

Public Comments – None

Written Comments – None

Motion was made by Howard Hill to approve the agenda item as presented. Seconded by Bob Sinclair. Motion passes.

APPROVED AS PRESENTED

NOTICE OF INTENDED ACTION – CHAPTER 65 – ANIMAL FEEDING OPERATIONS DEFINITION OF COMMON OWNERSHIP

Kelli Book presented the proposed rule to begin the process of obtaining public input. She provided the approach for estimating the fiscal impact and noted the Department does not have much information on smaller facilities not required to have manure management plans or construction permits.

Public Comments

Drew Mogler – The Iowa Pork Producers Association asked the DNR to move forward with the petition for rulemaking to enhance rules around livestock production. The proposal is reasonable and responsible environmental regulation. The Iowa Pork Producers Association supports the proposed rulemaking.

Written Comments – None

Motion was made by Howard Hill to approve the agenda item as presented. Seconded by Harold Hommes. Motion passes.

APPROVED AS PRESENTED

CLEAN WATER AND DRINKING WATER STATE REVOLVING LOAN FUND – FY 2020 INTENDED USE PLAN SECOND QUARTER UPDATE

Theresa Enright presented the State Revolving Fund quarterly update and revisions to the Intended Use Plan. The fund is robust enough to support all eligible projects including disadvantaged communities.

Public Comments – None

Written Comments – None

Motion was made by Harold Hommes to approve the agenda as presented. Seconded by Bob Sinclair. Motion passes.

APPROVED AS PRESENTED

NONPOINT SOURCE MANAGEMENT PLAN UPDATE

Allen Bonini shared a summary and update for the State’s Nonpoint Source Management Plan. He summarized for the Commission the collaboration and development with stakeholders the plan for the state to achieve water quality improvements. He walked through each of the four goals of the plan and provided

examples of activities to support each goal. The federal funds are distributed to states based on a population formula.

Public Comments – None

Written Comments – None

INFORMATION

CONTRACT WITH IOWA DEPARTMENT OF TRANSPORTATION

Steve Hopkins presented a contract with the Department of Transportation. To date, 259 road signs have been installed. This contract would install an additional 239 road signs.

Public Comments – None

Written Comments – None

Motion was made by Bob Sinclair to approve the agenda item as presented. Seconded by Amy Echard. Motion passes.

APPROVED AS PRESENTED

CONTRACT WITH IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP FOR SILVER CREEK (HOWARD COUNTY) WATERSHED PROJECT

Steve Konrady presented a contract for watershed improvement activities. He provided examples of techniques to lower the temperature of stream water to support trout habitat.

Public Comments – None

Written Comments – None

Motion was made by Harold Hommes to approve the agenda item as presented. Seconded by Stephanie Dykshorn. Motion passes.

APPROVED AS PRESENTED

EPC MEETING DATES 2020

Jerah Sheets obtained feedback from Commissioners on their business meeting and educational needs for 2020.

Motion was made by Lisa Gochenour to approve the agenda item as presented with meeting start time at 10:30 am. Seconded by Stephanie Dykshorn. Motion passes.

APPROVED AS PRESENTED

Motion was made by Bob Sinclair to start the EPC meetings remaining in 2019 at 10:30 am. Seconded by Howard Hill. Motion passes.

MOTION PASSES

Commissioners suggested if the meetings are anticipated to go past the lunch hour to include a break during the business meeting.

CONTRACT WITH WINDSOR SOLUTIONS, INC.

Jim McGraw presented a contract with Windsor Solutions. He summarized the state’s competitive contract bidding process which would not allow for a previous contract to be expanded with this new scope of work. The goal of the project is to reduce data entry for customers for permitting and reporting.

Public Comments – None

Written Comments – None

Motion was made by Tim Kaldenberg to approve the agenda item as presented. Seconded by Stephanie Dykshorn. Motion passes.

APPROVED AS PRESENTED

CONTRACT WITH THE UNITED STATES GEOLOGICAL SURVEY

Roger Bruner presented a contract with the United States Geological Survey.

Public Comments – None

Written Comments – None

Motion was made by Bob Sinclair to approve the agenda item as presented. Seconded by Lis Gochenour. Motion passes.

APPROVED AS PRESENTED

DNR WATER & LAND BUREAU OVERVIEW

Alex Moon provided handouts and summaries of the Department’s Water Quality and Land Quality bureaus. The goals of each program included preventing environmental contamination, maintaining compliance, and cleaning up contamination.

Public Comments – None

Written Comments – None

INFORMATION

GENERAL DISCUSSION

- Lori McDaniel provided a handout and a summary of the flood plains permitting program. She summarized the use of historical information to continually update flood plain maps for communities to use as planning tools, how the 100 year flood plain is defined, and building requirements within the flood plain. She provided examples of how the DOT and DNR partner on roadway and bridge projects. Communities provide local decision making on reconstruction and/or closing areas after flooding based on the community’s risk tolerance.

CLOSED SESSION

Motion was made by Bob Sinclair in accordance with Iowa Code section 21.5(1)(c), that the Board go into closed session to discuss strategy with counsel on a matter presently in litigation or where litigation imminent. This discussion must be held in closed session so as to not prejudice or disadvantage the position of the Commission in that matter. In addition to the Commissioners, Kayla Lyon, Bruce Trautman, Alex Moon, Kelli Book, and counsel David Steward may participate in the closed session proceedings. Jerah Sheets

will need to be present to keep detailed minutes of all discussion, persons present, and action occurring at a closed session, and he shall also audio record all of the closed session.

Seconded by Harold Hommes.

Tim Kaldenberg-yea, Bob Sinclair-yea, Lisa Gochenour-yea, Howard Hill-yea, Rebecca Guinn-absent, Stephanie Dykshorn-yea, Amy Echard-yea, Harold Hommes-yea, and Ralph Lents-yea.

Motion passes.

CLOSED SESSION OCCURRED FOR 22 MINUTES

GENERAL DISCUSSION CONTINUED

- Commissioner Bob Sinclair hosted an educational opportunity for various dignitaries related to using cover crops and technology for reducing chemical and fertilizer application.
- Jerah Sheets provided upcoming meeting and tour logistics.

ADJOURN

Chairperson Lents adjourned the Environmental Protection Commission meeting at 12:37 p.m. on September 17, 2019.

ADJOURNED

IOWA DEPARTMENT OF NATURAL RESOURCES

LEADING IOWANS IN CARING FOR OUR NATURAL RESOURCES

Flood Plain Management and Dam Safety in Iowa

The purpose of Iowa's Flood Plain Management & Dam Safety Program is to protect life and property from floods and promote the wise use and development of flood plains. Flood Plain Management is a continuous decision-making process as Iowa grows and changes. Iowa's efforts to deal with flood losses began with the creation of the Iowa Natural Resources Council in 1949. Although the Council was charged with generally broad water planning duties, the impetus for its formation was statewide flooding in 1947 and the considerable property damage the flooding caused. The protection of life and property from floods and the prevention of flood damages were and still are considered to be of paramount importance to the prosperity of the people of Iowa.

Who do we serve?

Iowa DNR's Flood Plain Management and Dam Safety Program serves all Iowans who own land adjacent to streams and rivers; city and county governments and other state agencies. There are 27,750 perennial river and stream miles in the state of Iowa.

What do we do?

- Review flood plain construction projects to ensure the project is less susceptible to flooding
- Calculate flood elevations to provide homeowners with information regarding their risk of flooding
- Provide flood plain maps and technical assistance to local governments for community planning
- Review and inspect dam construction to reduce risk of failure and develop emergency preparedness

Why do we do it?

Statewide flooding is an ongoing risk. There have been 56 Presidential Disaster Declarations in Iowa between 1951 and 2015. Flooding was a component of 43 of these declarations. Flooding is a natural event that will always occur. But, Iowans can continue to reduce their risk of damages due to flooding.

The Iowa DNR's Flood Plain Management and Dam Safety Program help manage our state's flood plains in a way that minimizes threats to life and property. In particular, Iowa law provides that approval is required for the construction or maintenance of a structure, dam, obstruction, deposit or excavation in the flood plain. The program does not administer any fees for its services. The services provided are highly technical in nature and prevent the loss of life and property during a flood or dam failure event.

Flood Plain Management and Dam Safety in Iowa

How do we do it?

Dam Safety

In the Iowa DNR's dam safety program, engineers review and approve the construction of new dams, maintain an inventory of existing dams and inspect dams. There are 4,095 dams in Iowa. Regular inspections are required for more than 300 major dams every 2 or 5 years. Major dams have the potential to create extensive damage to downstream houses or cause loss of life should they fail and release the water stored.

Construction in the Flood Plain

Construction permits are issued for projects in the flood plain to reduce risk of loss of life and property. Flood plain regulations contain the minimum protection standards for projects located in Iowa's flood plains. Field staff provide on-site technical compliance assistance. Iowa DNR Flood Plain Engineers review about 1500 construction projects every year.

Working with Communities

The Iowa DNR works with 670 communities and counties to develop and administer local flood plain management programs, coordinate the National Flood Insurance Program, and assist the Federal Emergency Management Agency and Iowa Homeland Security and Emergency Management in responding to flood disasters. We respond to more than 1,000 phone calls and e-mails from Iowans each year.

Flood Plain Mapping

The Iowa DNR, along with the Iowa Flood Center and U.S. Army Corps of Engineers, is creating new, comprehensive, accurate flood plain maps for Iowa cities and counties. Many Iowans will know if their property is at risk from flooding for the first time, as many Iowa communities have never had accurate flood plain maps.

Flood Plain Permit Quick Check

Flood Plain Permit Quick Check – <https://programs.iowadnr.gov/maps/floodplain/pqc.html> is a new online application that tells you if you need to apply for a state or local flood plain permit in 3 easy steps:

1. Pick your project type
2. Use one of the 3 search options to find and mark your project's location.
3. Get Results! A "Yes" result means that you should apply for a flood plain permit or talk to your local authorities. A detailed review by an Iowa DNR Flood Plain Engineer is required for your project type and location to determine if a state flood plain permit is required.

Flood Plain Help Line: 866-849-0321
<http://floodplain.iowadnr.gov>

BUREAU	SOLID WASTE & CONTAMINATED SITES	UNDERGROUND STORAGE TANKS	FINANCIAL AND BUSINESS ASST	FLOOD PLAIN MANGEMENT & DAM SAFETY	GEOGRAPHIC INFORMATION SYSTEMS	
<p>Alex Moon (PSM2) 515-204-3661 Bureau Chief alex.moon@dnr.iowa.gov</p> <p>Angie Clark (EO1) 725-8301 angie.clark@dnr.iowa.gov Bureau support & records steward</p> <p>Laura Juliano (SRA3) 725-8346 laura.juliano@dnr.iowa.gov Bureau database manager and IT liaison</p> <p>Tim Hall (EO3) 725-8298 Tim.hall@dnr.iowa.gov</p> <p>LQ & WQ Communications: Jessie Brown (IS2) 725-8278</p> <p>UST Fund Administrator: James Gastineau 725-8450 james.gastineau@dnr.iowa.gov</p> <p>Legislative Liaison: Adam Schnieders 515-238-0551, adam.schnieders@dnr.iowa.gov</p> <p>Legal Support: Solid Waste/Cont. Sites/UST– David Scott 725-8239 david.scott@dnr.iowa.gov</p> <p>Flood Plain Mgmt/Dam Safety – Carrie Schoenebaum 725-8244 carrie.schoenebaum@dnr....</p> <p>Ed Tormey (Acting DA) 725-8373 ed.tormey@dnr.iowa.gov</p> <p>Jerah Sheets (DA EO) 313-8909 jerah.sheets@dnr.iowa.gov</p> <p>DNR Helpdesk 281-5703 http://help.iowa.gov/ess</p> <p>Iowa DNR Land Quality Bureau 502 E 9th St Des Moines, Iowa 50319-0034</p> <p>DNR Main Line: 515-725-8200</p> <p>5th Floor FAX: 515-725-8202</p>	<p>Amie Davidson (EPS) 725-8307 amie.davidson@dnr.iowa.gov</p> <p>Becky Jolly (PP2) 725-8308 becky.jolly@dnr.iowa.gov Solid waste program support</p> <p>Nina Booker (EES) 725-8309 nina.booker@dnr.iowa.gov Senior staff for MSW and Industrial landfill permits</p> <p>Mike Smith (EES) 725-8314 mike.smith@dnr.iowa.gov Senior staff for MSW landfill permits</p> <p>Geoffrey Spain (EE) 725-8358 geoffrey.spain@dnr.iowa.gov MSW and Industrial landfill permits</p> <p>Mick Leat (EE) 725-8345 mick.leat@dnr.iowa.gov MSW and Industrial landfill permits</p> <p>Theresa Stiner (ESS) 725-8315 theresa.stiner@dnr.iowa.gov Coordinator for product stewardship activities including mercury products, electronics, paint, and pharmaceuticals. Administrative rules coordinator. Solid waste processing, waste-to-energy, emerging technologies</p> <p>Chad Stobbe (ESS) 725-8351 chad.stobbe@dnr.iowa.gov Senior staff for transfer station/CCC, Financial Assurance, processing facility permits and tires permitting</p> <p>Matthew Graesch (ES) 725-8331 matthew.graesch@dnr.iowa.gov Non-landfill permitting</p> <p>Susan Johnson (ESS) 725-8317 susan.johnson@dnr.iowa.gov Special waste authorization, Electronics recycling permits, Appliance demanufacturing permits</p> <p>VACANT (EE)</p>	<p>Dan Cook (ESS) 725-8371 dan.cook@dnr.iowa.gov Land Recycling Program, Targeted Brownfields, Pre CERCLA, CERCLA, and Federal sites. Equipment maintenance.</p> <p>Matt Culp (ESS) 725-8337 matt.culp@dnr.iowa.gov Superfund Pre-Remedial program, Land Recycling Program, Registry of Hazardous Waste Disposal Sites</p> <p>Hylton Jackson (ES) 725-8338 hylton.jackson@dnr.iowa.gov Review Superfund Pre-Remedial Sites (CERCLA), Iowa Land Recycling (LRP) Sites, State ConSites</p> <p>Shelly Nellesen (ES) 725-8372 shelly.nellesen@dnr.iowa.gov Coordinates the pre-remedial and site assessment efforts of the section. Operates under CERCLA, Brownfields, LRP, and other state authorities for contaminated sites.</p> <p>Mel Pins (EO2) 725-8344 mel.pins@dnr.iowa.gov Iowa Brownfield Redevelopment Program Coordinator</p> <p>Contaminated Sites Lab 725-8313</p> <p>VACANT (Geo3)</p>	<p>Elaine Douskey (EPS) 725-8311 elaine.douskey@dnr.iowa.gov</p> <p>Cara Ingle (PP1) 725-8364 cara.ingle@dnr.iowa.gov Tank Tags, Financial Responsibility Review</p> <p>Lisa Niedermayer (ES) 725-8336 lisa.niedermayer@dnr.iowa.gov Assessment of UST sites in northern Iowa; UST technical asst.; Op Training coordinating</p> <p>Dawn Santa Maria (AA1) 725-8365 dawn.santamaria@dnr.iowa.gov UST/LUST Program Support</p> <p>Jeff White (ESS) 725-8325 jeff.white@dnr.iowa.gov LUST enforcement coordinator (statewide), LUST rule writing, Cleanup of UST sites in N Iowa, Int. Corrective Action Mtg Facilitator</p> <p>Bonnie Garrison (AA2) 725-8310 bonnie.garrison@dnr.iowa.gov UST/LUST Program Support. Groundwater and UST professional certifications.</p> <p>Ruth Hummel (ESS) 725-8328 ruth.hummel@dnr.iowa.gov Lead coordinator for cleanup of UST sites in the northern central, W & E Iowa</p> <p>Kate Meyer (ES) 725-8334 kate.meyer@dnr.iowa.gov Cleanup of UST sites in N central IA.</p> <p>Lee Osborn (ES) 725-8335 lee.osborn@dnr.iowa.gov Cleanup of UST sites in S central IA.</p> <p>Tammy Vander Bloemen (ESS) 725-8329 tammy.vander_bloemen@dnr.iowa.gov Cleanup of UST sites in SW & SE IA</p> <p>VACANT (ESS)</p>	<p>Jennifer Wright (EPS) 725-8302 jennifer.wright@dnr.iowa.gov</p> <p>Tom Anderson (EO2) 725-8323 tom.anderson@dnr.iowa.gov Senior staff for SWAP, HHMs & RCCs.</p> <p>Kathleen Hennings (ESS) 725-8359 kathleen.hennings@dnr.iowa.gov RCC and HHMs, retailers permit asst, Toxics in Packaging, Auto related wastes, school labs and ag chemicals.</p> <p>Scott Flagg (ESS) 725-8318 scott.flagg@dnr.iowa.gov Technical assistance for recycling, beneficial use and waste management technologies, Derelict Building program, Construction & demolition recycling</p> <p>Bill Blum (PP3) 725-8376 bill.blum@dnr.iowa.gov Bottle Bill, Liaison w/ IWE, SWAP delinquencies, landfill financial assurance reports, recycling property certification</p> <p>Leslie Goldsmith (PP3) 725-8319 leslie.goldsmith@dnr.iowa.gov Comp planning review & asst, Goal progress calculations, Solid Waste EMS</p> <p>Amy Wilken (PP2) 725-8349 amy.wilken@dnr.iowa.gov SWAP support, Recycling property tax exemption, DNR Trailer reservations</p> <p>Jeff Fiagle (EO2) 725-8353 jeff.fiagle@dnr.iowa.gov EPA performance tracking. P2 grant development/mgmt, serving as liaison with (MSWG)</p> <p>Danielle Roseland (PP3) 725-8363 danielle.roseland@dnr.iowa.gov Coordination of P2 Intern Program.</p> <p>Jennifer Reutzal Vaughan (PP3) 725-8370 jennifer.reutzal@dnr.iowa.gov Coordinates and conducts P2 facilities on-site assess.</p> <p>Sarah Mihm (EE) 515-204-9252 sarah.mihm@dnr.iowa.gov Coordinates and conducts P2 facilities on-site assess.</p> <p>VACANT (FE)</p>	<p>Lori McDaniel (EPS) 725-8303 lori.mcdaniel@dnr.iowa.gov</p> <p>Bill Cappuccio (EES) 725-8342 bill.cappuccio@dnr.iowa.gov State NFIP Coordinator</p> <p>Jason Conn (PP3) 725-8333 jason.conn@dnr.iowa.gov Local Floodplains Program</p> <p>Ken Bouma (PP3) 725-8352 ken.bouma@dnr.iowa.gov Local Floodplains Program</p> <p>Kelly Stone (EES) 725-8312 kelly.stone@dnr.iowa.gov Flood Plain Review Coordinator</p> <p>Asia Azam (EE) 725-8369 asia.azam@dnr.iowa.gov Flood Plain Review</p> <p>Karen Smith (EE) 725-8355 karen.smith@dnr.iowa.gov Flood Plain Review</p> <p>Chad Billings (EE) 725-8356 chad.billings@dnr.iowa.gov Flood Plain Review</p> <p>Andy Jensen(EE) 725-8347 andy.jensen@dnr.iowa.gov Flood Plain Review</p> <p>Graham Young (EE) 725-8368 graham.young@dnr.iowa.gov Flood Plain Review</p> <p>Jon Garton (EES) 725-8360 jonathan.garton@dnr.iowa.gov Dam Safety</p> <p>Casey Welty (EE) 725-8330 casey.welty@dnr.iowa.gov Dam Safety</p> <p>VACANT (EE)</p>	<p>Kathryne Clark (EPS) 725-8354 kathryne.clark@dnr.iowa.gov</p> <p>Lang Deng (ITS4) 725-8305 lang.deng@dnr.iowa.gov GIS Analyst</p> <p>Calvin Wolter (GEO3) 515-971-4022 calvin.wolter@dnr.iowa.gov GIS Analyst</p> <p>Sam McDeid (GEO2) 725-8377 samuel.mcdeid@dnr.iowa.gov GIS Analyst</p> <p>Zachery VanderLeest (GEO2) 725-8332 zachery.vanderleest@dnr.iowa.gov GIS Analyst</p> <p>Claire Hruby (GEO3) 725-8348 claire.hruby@dnr.iowa.gov Researcher</p> <p>Scott Ralston (EES) 725-8321 scott.ralston@dnr.iowa.gov Floodplain Mapping Coordinator</p> <p>Chris Kahle (GEO3) 319-335-2068 chris.kahle@dnr.iowa.gov GIS Tech – Iowa City</p> <p>Casey Kohrt (GEO3) 319-335-1353 casey.kohrt@dnr.iowa.gov NRGIS Librarian – Iowa City</p> <p>VACANT (GEO2)</p>

Land Quality Bureau

IOWA DEPARTMENT OF NATURAL RESOURCES



The Land Quality Bureau works to protect Iowa's groundwater, flood plains and land resources through technical assistance and oversight to industries and organizations. Areas of responsibility include: contaminated sites, underground petroleum storage tanks such as those at gas stations, proper solid waste management at landfills, construction activities in Iowa flood plains, safety of dams on Iowa waterways, geographic information systems (GIS) coordination, and development of sustainable environmental practices through financial and professional assistance.

UNDERGROUND STORAGE TANKS SECTION

Funding Sources:

85 percent Federal
15 percent non-GF State (tank registration fees)

Programs, Services & Activities:

Underground Storage Tanks Program (UST)-

Registers and maintains records of active UST sites including financial responsibility. Oversees operation, maintenance and closure of UST systems with the goal of preventing petroleum releases.

Leaking Underground Storage Tanks Program (LUST)-

Oversees risk assessment of petroleum releases at LUST sites. Ensures adequate cleanup or corrective action at sites where releases are detected.

Certification and Licensing of UST Professionals-

These include environmental consultants, third party compliance inspectors, and tank installers and removers.

Elaine Douskey | (515) 725.8311
www.iowadnr.gov/ust

FLOOD PLAIN MANAGEMENT & DAM SAFETY

Funding Sources:

20 percent Federal
80 percent General Fund (flood plain appropriation)

Programs, Services & Activities:

Flood Plain Development Permits- Regulates construction on all state flood plains and floodways to protect life and property and to promote orderly development and wise use of flood plains.

Dam Safety- Responsible for the state's dam safety program. Reviews and approves the construction

of new dams, maintains inventory of existing dams meeting minimum size criteria, and periodically inspects major dams.

National Flood Insurance Program- Works with cities and counties to develop and administer local flood plain management programs, coordinates the National Flood Insurance Program, and assists the Federal Emergency Management Agency and the Iowa Emergency Management Division in responding to flood disasters.

Lori McDaniel | (515) 725.8303
www.iowadnr.gov/floodplain

GEOGRAPHIC INFORMATION SYSTEMS

Funding Sources:

10 percent Federal
40 percent General Fund (flood plain appropriation)
50 percent Solid Waste Tonnage Fees, Water Quality, other state grants

Programs, Services & Activities:

Natural Resource Geographic Information System (NRGIS)-

Develops, manages and distributes DNR's NRGIS, including data collection and analysis required for

various resource investigations, to support decision-making and fulfill information requests from the public. GIS support and training is also provided to other sections of the DNR.

Flood Plain Mapping

Partners with the Iowa Flood Center and others in creating new, comprehensive, accurate flood plain maps for Iowa cities and counties. Many Iowans will learn if their property is at risk of flooding for the first time.

Kathryne Clark | (515) 725.8354
www.iowadnr.gov/Conservation/Mapping-GIS

SOLID WASTE SECTION

Funding Sources:

100 percent non-GF State (State Solid Waste Tonnage Fee)

Programs, Services & Activities:

Solid Waste Permitting Program- Regulates solid waste management facilities and activities including landfills, transfer stations, waste processing sites, compost operations and certain recycling operations.

Beneficial Use Determinations- Determines if a specific use of a solid industrial by-product constitutes reuse rather than disposal, and upon review is determined not to adversely affect human health or the environment.

FINANCIAL & BUSINESS ASSISTANCE SECTION

Funding Sources:

90 percent Solid Waste Tonnage Fee, HHM Retailer Permit Fees, AG's office penalties on referral cases
10 percent Federal

Programs, Services & Activities:

Solid Waste Alternatives Program (SWAP)- Provides waste reduction and recycling project grants and loans.

Household Hazardous Materials (HHM)- Provides financial assistance for the establishment and support for statewide collection and education network addressing the proper use and disposal of HHMs.

Pollution Prevention Services (P2)- Provides confidential, non-regulatory environmental technical assistance at no cost to Iowa's business and industry, institutions and governmental agencies with 100 or more employees. Administers the P2 program.

CONTAMINATED SITES SECTION

Funding Sources:

70 percent Federal
30 percent non-GF State (primarily hazardous waste fees)

Programs, Services & Activities:

Federal Superfund- National Priority List Sites, CERCLA Remedial & Removal Sites. In cooperation with U.S. EPA, addresses sites contaminated by hazardous materials or wastes including removal and remedial components generally targeted at more seriously contaminated sites.

State Contaminated Site Program- Addresses contamination situations at sites not covered by other state or federal programs.

Emerging and Problem Wastestreams- Manages programs and initiatives for properly managing problem wastes such as oil filters, mercury containing devices, mass animal mortalities and electronics.

Special Waste Authorization- Provides safe and proper management for disposal of wastes which present a threat to human health or the environment or a waste with inherent properties which make the disposal of the waste in a sanitary landfill difficult to manage.

Amie Davidson | (515) 725.8307
www.iowadnr.gov/solidwaste

Beverage Container Deposit Law- Administers redemption center approval program and general legal oversight.

Iowa Waste Exchange (IWE)- Free, confidential and non-regulatory program that matches businesses' by-products with those who can use them as resources.

Derelict Building Grant Program- Works with communities with populations of 5,000 or fewer who need assistance with addressing abandoned buildings, while diverting construction and demolition materials from landfills.

Comprehensive Planning / Solid Waste Environmental Management System (EMS)- Provides non-regulatory reviews and suggestions for waste management improvement. Iowa's Solid Waste EMS encourages responsible environmental management and solid waste disposal to enhance efforts promoting environmental stewardship.

Jennifer Wright | (515) 725.8302
www.iowadnr.gov/faba

Brownfields- Works cooperatively with communities and economic development stakeholders to assess, safely clean and sustainably reuse abandoned or idled industrial and commercial facilities where redevelopment is hindered by real or perceived environmental contamination.

State Voluntary Land Recycling Program- Allows owners or other stakeholders of a property to voluntarily assess and implement remedial actions at a site that is perceived to be contaminated. The DNR provides a certificate for a site following assessment and implementation of appropriate cleanup remedies to assure protection of public health and the environment.

Amie Davidson | (515) 725.8307
www.iowadnr.gov/Contaminatedsites

WATER QUALITY BUREAU – www.iowadnr.gov

BUREAU	NPDES	WASTEWATER ENGINEERING	WATER SUPPLY ENGINEERING	WATER SUPPLY OPERATIONS	WATERSHED IMPROVEMENT	WATER QUALITY MONITORING & ASSESSMENT
<p>Alex Moon (PSM2) 515-204-3661 Acting Water Quality Bureau Chief alex.moon@dnr.iowa.gov</p> <p>Vacant (AA2) Bureau support & records steward</p> <p>Adam Schnieders (EO3) 238-0551 Water Quality Coordinator adam.schnieders@dnr.iowa.gov</p> <p>Theresa Enright (EO2) 725-0498 theresa.enright@dnr.iowa.gov SRF Coordinator</p> <p>LQ & WQ Communications: Jessie Brown (IS2) 725-8278</p> <p>Legislative Liaison: Tammie Krausman 402-8763 tammie.krausman@dnr.iowa.gov</p> <p>Legal Support: Carrie Schoenebaum 725-8244 carrie.schoenebaum@dnr</p> <p>Noah Poppelreiter 725-8248 noah.@dnr.iowa.gov</p> <p>Ed Tormey (Acting DA) 725-8373 ed.tormey@dnr.iowa.gov</p> <p>Jerah Sheets (DA EO) 313-8909 jerah.sheets@dnr.iowa.gov</p> <p>DNR Helpdesk 281-5703 http://help.iowa.gov/ess</p> <p>Iowa DNR Water Quality Bureau 502 E 9th St Des Moines, Iowa 50319-0034</p> <p>DNR Main Line: 515-725-8200</p> <p>5th Floor FAX: 515-725-8202</p>	<p>Eric Wiklund (EPS) 725-0313 eric.wiklund@dnr.iowa.gov Section Supervisor</p> 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Water Quality Bureau

IOWA DEPARTMENT OF NATURAL RESOURCES



The Water Quality Bureau works to protect and enhance the Iowa's water to ensure sufficient quality and quantity of water for aquatic life and the use of our citizens, now and into the future. Areas of responsibility include: drinking water and wastewater oversight, water monitoring and assessment, watershed improvement and financial assistance to communities for the funding of water infrastructure improvements.

WATER SUPPLY OPERATIONS SECTION

Funding Sources:

70 percent Federal
30 percent Non-GF State (Laboratory and Operator Certification Fee, and Water Supply Application fees)

Programs, Services & Activities:

Water Supply Operation Permitting, Compliance and Enforcement Program - Protect public health by ensuring compliance with the Safe Drinking Water Act and state regulations through issuance of operation permits, technical assistance, and enforcement actions for over 1800 public water supplies.

Operator Certification Program - Responsible for the

testing, certification and training of approximately 6,500 wastewater treatment, water treatment, and water distribution operators throughout the State of Iowa.

Environmental Laboratory Certification Program - Ensure laboratories generate environmental and public health data of known, consistent, and documented quality to meet regulatory needs.

State Revolving Fund Program (SRF) - The SRF Program provides low-interest or no-interest construction loans, planning & design loans, source water protection loans and non-point source loans with financing terms up to 30 years.

Corey McCoid | (515) 577.3551
www.iowadnr.gov/ws-compliance

WATER SUPPLY ENGINEERING SECTION

Funding Sources:

70 percent Federal
23 percent Non-GF State (Water Use & Private Well Fees, Grants to Counties Program)
7 percent State General Fund

Programs, Services & Activities:

Water Supply Construction Permitting Program & Drinking Water State Revolving Fund (DWSRF) Program - Ensure that public water supplies provide reliable and safe drinking water through the proper design, construction, and operation of treatment and distribution facilities. Provide low-interest DWSRF loans to public water supplies for planning, rehabilitation of existing infrastructure, and construction of new infrastructure to

ensure public health through safe drinking water.

Water Allocation Program - Issues water use permits to allocate, manage, and track the withdrawal of water from Iowa's aquifers and surface water sources and administers procedures to resolve water usage conflicts.

Private Well Program - Provides oversight and technical assistance to protect groundwater resources and public health through private well permitting, promotion of well owner water testing and well plugging, and tracks and maintains well and water monitoring information for public use.

Mark Moeller | (515) 725.0275
www.iowadnr.gov/ws-engineering

WASTEWATER ENGINEERING SECTION

Funding Sources:

70 percent Federal
30 percent Non-GF State (Wastewater Permit Fee)

Programs, Services & Activities:

Municipal Wastewater Construction Permitting - Engineering review, approval and permitting of treatment and collection systems for Clean Water State Revolving Fund loan funded and self-funded wastewater projects, determine funding priority and eligibility and perform final inspection to ensure that public and semi-public systems provide adequate and reliable wastewater treatment and disposal to protect the environment and public health.

Industrial Wastewater Construction & Land Application Permitting - Engineering review, approval and permitting of industrial facilities and operation

permits to ensure that the wastewater treatment systems provide adequate and reliable wastewater treatment and disposal to protect surface water, groundwater, soil, and public health.

Technical Assistance - Guidance and outreach to customers and other regulatory agencies; review antidegradation alternatives analyses to protect beneficial uses of the surface water; coordination of proper treatment and disposal of municipal biosolids to ensure compliance with regulations and promote beneficial use; review alternative and innovative technologies for projects; develop and update wastewater design standards and rules.

Satya Chennupati | (515) 725.8436
www.iowadnr.gov/wastewaterconstruction

WATERSHED IMPROVEMENT SECTION

Funding Sources:

100 percent Federal

Programs, Services & Activities:

Total Maximum Daily Load (TMDL) Program -

Conducts targeted, detailed water quality monitoring, develops water quality and watershed modeling, calculates TMDLs, and prepares Water Quality Improvement Plans (WQIP) consistent with the Clean Water Act for all impaired waterbodies on Iowa's Impaired Waters List in accordance with Iowa's 10-Year 303(d) Vision document. These WQIPs serve as a template for issuing NPDES Permits and guiding local nonpoint source watershed improvement efforts in order to achieve water quality standards for the intended uses of Iowa's lakes, rivers and streams.

Section 319 Nonpoint Source Program - Manages Iowa's

US EPA Section 319 nonpoint source grant program and oversees the development and implementation of Iowa's federal Clean Water Act-mandated Nonpoint Source Management Program Plan. Since 1990, the DNR Nonpoint Source Program has funded 635 local, regional and statewide Iowa clean water projects, totaling \$106 million, through the US EPA's Section 319 grant program. Currently, the DNR annually receives approximately \$3.6 million in federal Section 319 grant funds and provides at least 50% of those funds to 13 locally-led watershed projects. The Section 319 Program also supports the creation of Watershed Management Authorities in Iowa, bringing together Iowans across cities and counties for the common good of improving a shared lake, stream or river. The DNR has supported the development of 26 new authorities since 2011.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) SECTION

Funding Sources:

60 percent Federal

40 percent Non-GF (NPDES Permit Fees)

Programs, Services & Activities:

Municipal Permits - Issues individual NPDES discharge permits to municipal and semi-public wastewater disposal systems.

Industrial Permits - Issues individual and general NPDES discharge permits to industrial wastewater

disposal systems.

Storm Water Permits - Issues individual and general permit authorizations for wastewater disposal from storm water sources.

Confined Animal Feeding Operations (CAFO) - Issues individual NPDES discharge permits to confined animal feeding operations.

On-site Program - Issues general permit authorizations for on-site wastewater disposal systems. Provides support to county sanitarians.

WATER QUALITY MONITORING & ASSESSMENT SECTION

Funding Sources:

18 percent Federal

82 percent non-GF State (Environment First Fund)

Programs, Services & Activities:

Ambient Monitoring Programs - Provides State-wide monitoring of Iowa's surface and groundwater resources. Programs include river and streams, lakes, groundwater, wetlands, and fish tissue for chemical and biological parameters. The programs provide consistent, unbiased information about the condition of Iowa's water resources to support decisions affecting the development, management and protection of these resources.

Targeted Monitoring Programs - Provide tailored approaches that are beyond the scope of the ambient monitoring program including: swimming beach advisory development; shallow lake monitoring; non-point source pollution control planning and evaluation; collaborates with Total Maximum Daily Load (TMDL) development; and lake restoration planning and evaluation.

Use Assessment & Attainability Program (UAA) - Collects field data to determine the highest level of recreational and

aquatic life uses a stream segment is capable of supporting and assigning the most appropriate use classification to the segment. Unless previously completed, a UAA is required before NPDES permits can be reissued.

Waste Load Allocation Program (WLA) - WLAs are part of the NPDES and wastewater construction permitting processes and are required before treated wastewater can be discharged. A WLA is calculated in order to ensure that the State permitted point source discharge meets applicable State Water Quality Standards.

Water Quality Standards Program (WQ Std) - The federal Clean Water Act requires states to designate beneficial uses (UAA) and develop water quality standards to protect each use. The State can either adopt the EPA recommendation or use other scientifically-defensible methods to develop their own standards. New or updated standards are developed in Iowa on an as needed basis.

401 Water Quality Certifications - The federal Clean Water Act requires state certification for any federally permitted or licensed project that may result in a discharge to ensure that the project will not violate state water quality standards. A 401 Certification is usually required before the U. S. Army Corps of Engineers or other federal agency can issue permits that allow work in waters of the US.

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www.iowadnr.gov/watershed

Eric Wiklund | (515) 725.0313
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Roger Bruner | (515) 725.0247
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Agenda

Environmental Protection Commission

Tuesday, September 17, 2019
State of Iowa Capitol
1007 East Grand Ave
Room 116
Des Moines, IA

Monday, September 16, 2019 – Educational Tour, Knoxville, Iowa

12:30-5:00 PM – Driving tour of drinking water partnerships with the county, a manufacturing facility, and a solid waste landfill and recycling site. Please register by September 12th with Jerah Sheets at Jerah.Sheets@dnr.iowa.gov or 515-313-8909.

Tuesday, September 17, 2019 – EPC Business Meeting, Des Moines, Iowa

10:00 AM – EPC Business Meeting

If you are unable to attend the business meeting, comments may be submitted to Jerah Sheets at Jerah.Sheets@dnr.iowa.gov or 502 East 9th St, Des Moines IA 50319 up to one day prior to the business meeting for the public record.

1	Approval of Agenda	
2	Approval of the Minutes	
3	Monthly Reports	Alex Moon (Information)
4	Director's Remarks	Kayla Lyon (Information)
5	FY 2021 Budget Request	Jennifer Nelson (Decision)
6	Notice of Intended Action – Chapter 65 – Animal Feeding Operations Definition of Common Ownership	Kelli Book (Decision)
7	Clean Water and Drinking Water State Revolving Loan Fund – FY 2020 Intended Use Plan Second Quarter Update	Theresa Enright (Decision)
8	Nonpoint Source Management Plan (NPS) Update	Allen Bonini (Information)
9	Contract with Iowa Department of Transportation (DOT)	Steve Hopkins (Decision)
10	Contract with Iowa Department of Agriculture and Land Stewardship (IDALS) for Silver Creek (Howard County) Watershed Project	Steve Konrady (Decision)
11	2020 EPC Meeting Dates	Jerah Sheets (Decision)
12	Contract with Windsor Solutions, Inc.	Jim McGraw (Decision)
13	Contract with The United States Geological Survey	Roger Bruner (Decision)
14	DNR Water & Land Bureau Overview	Alex Moon (Information)
15	General Discussion	
	• Flood plains permitting program Q&A	

16 Closed Session

17 Items for Next Month's Meeting

- Tuesday, October 15, 2019 – EPC Business Meeting – Polk County
- Tuesday, November 19, 2019 – EPC Business Meeting – Polk County

For details on the EPC meeting schedule, visit <http://www.iowadnr.gov/About-DNR/Boards-Commissions>

¹Comments during the public participation period regarding proposed rules or notices of intended action are not included in the official comments for that rule package unless they are submitted as required in the Notice of Intended Action.

Any person attending the public meeting and has special requirements such as those related to mobility or hearing impairments should contact the DNR or ADA Coordinator at 515-725-8200, Relay Iowa TTY Service 800-735-7942, or Webmaster@dnr.iowa.gov, and advise of specific needs.

**MINUTES OF THE
ENVIRONMENTAL PROTECTION COMMISSION
MEETING**

August 20, 2019

**State of Iowa Capitol Room 116
1007 East Grand Ave, Des Moines, IA**

Approved by the Commission **DATE**

DRAFT

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Meeting Minutes

CALL TO ORDER

The meeting of the Environmental Protection Commission was called to order by Chairperson Ralph Lents at 10:00 a.m. on August 20, 2019 at the State of Iowa Capitol in Des Moines, IA.

COMMISSIONERS PRESENT

- Stephanie Dykshorn
- Lisa Gochenour
- Rebecca Guinn
- Howard Hill
- Harold Hommes
- Tim Kaldenberg
- Ralph Lents
- Bob Sinclair

COMMISSIONERS ABSENT

- Amy Echard

APPROVAL OF AGENDA

Motion was made by Bob Sinclair to approve the agenda as presented. Seconded by Lisa Gochenour. Motion passes.

AGENDA APPROVED

APPROVAL OF MINUTES

Motion was made by Bob Sinclair to approve the July 16, 2019 EPC minutes as presented. Seconded by Howard Hill. Motion passes.

APPROVED AS PRESENTED

MONTHLY REPORTS

- Acting Division Administrator Ed Tormey distributed the DNR FY 2020 Regulatory Plan to Commissioners. He shared with the Commission the 1999 Governor’s Executive Order requiring agencies to forecast the rulemaking efforts for the upcoming year. Many of the rules in the forecast are aspirational and may not be achieved in FY 2020.
- Acting Division Administrator Ed Tormey highlighted the quarterly monthly reports included in the packet.
- The monthly report(s) has been posted on the DNR’s website under the appropriate meeting month: <http://www.iowadnr.gov/About-DNR/Boards-Commissions>

INFORMATION

DIRECTOR’S REMARKS

- Director Kayla Lyon shared with the Commission the success of the state fair efforts. The fish and turtles draw fairgoers to the building where team members can interact with citizens regarding their questions about tree, bugs, and more. The stream table demonstrated how water moved through soil with stabilizing stream banks and reducing erosion. The State of Iowa awarded 53 Environmental Leader Awards recognizing land practices aligned with environmental stewardship.
- Director Kayla Lyon shared with the Commission her efforts to travel the state meeting field office team members and touring the work the DNR performs.

INFORMATION

CONTRACT AMENDMENT #3 TO AN EXISTING CONTRACT (17ESDLQBSRALS-999) WITH STANTEC CONSULTING SERVICES, INC. FOR PROGRAM MANAGEMENT (PM) AND COMMUNITY ENGAGEMENT & RISK COMMUNICATION (CERC) FLOOD PLAIN MAPPING SERVICES

Kathryne Clark presented a contract amendment with Stantec Consulting Services. She discussed the flow chart and maps provided in the packet.

Public Comments – None

Written Comments – None

Motion was made by Bob Sinclair to approve the agenda item as presented. Seconded by Tim Kaldenberg. Motion passes.

AMENDMENT APPROVED

CONTRACT AMENDMENT #4 WITH UNIVERSITY OF IOWA FLOOD CENTER

Kathryne Clark presented a contract amendment for the Iowa Flood Center. Since the creation of the Iowa Flood Center, the efforts and staffing have increased to meet the needs of the agency and state. The initial flood predictions from a decade ago are out of date and are at a point where they need to be updated in order for communities to have better planning tools. FEMA continues to financially support these efforts. The current group of changes is larger than normal based on flooding issues. Future groups may not be this large.

Public Comments – None

Written Comments – None

Motion was made by Tim Kaldenberg to approve the agenda item as presented. Seconded by Rebecca Guinn. Motion passes.

APPROVED AS PRESENTED

CONTRACT AMENDMENT #3 TO EXISTING CONTRACTS WITH PRE-QUALIFIED COMPANIES FOR FLOOD PLAIN MAPPING SERVICES

Kathryne Clark distributed a summary brief with updates and presented contract amendments for three contracts.

Public Comments – None

Written Comments – None

Motion was made by Rebecca Guinn to approve the agenda as presented. Seconded by Bob Sinclair. Motion passes.

APPROVED AS PRESENTED

WATER SUPPLY – WATER USE & ALLOCATION ANNUAL PERMIT FEE

Mark Moeller presented the Water Use and Allocation annual permit fee. He summarized Senate File 409 enacted July 1, 2019 to increase the fee projection to multiple years rather than just one year at a time. Funding from permit and application fees is about \$50,000 annually. The general fund accounts for about 30% of the program annual budget. By looking out five years, DNR is hoping to maintain the fee at \$95 annually for next three years. Last year the fee was \$134. Historically, the number of permits has gradually been increasing each year by about 50 permits.

Public Comments –

Brad Hartkoph – Iowa Association of Business and Industry (ABI)

Brad Hartkoph represented the constituents of the Iowa Association of Business and Industry. He shared ABI was a stakeholder group during the fee discussions. ABI supports the lower fee, which is projected to reduce fluctuation in the annual fee, and he supports spending down the carry forward. He expressed appreciation working with DNR team members Diane Moles and Mark Moeller who engaged with stakeholders on the topic.

Written Comments – None

Motion was made by Howard Hill to approve the agenda item as presented. Seconded by Stephanie Dykshorn. Motion passes.

APPROVED AS PRESENTED

CONTRACT WITH THE PALO ALTO SOIL AND WATER CONSERVATION DISTRICT (SHALLOW LAKES WATERSHED PLANNING)

Kyle Ament presented a contract for watershed improvement activities. He explained the project phases which include planning with local stakeholders. The planning outcomes greatly enhance funding opportunities with the DNR, NRCS, IDALS, and other state and federal programs.

Public Comments – None

Written Comments – None

Motion was made by Tim Kaldenberg to approve the agenda item as presented. Seconded by Harold Hommes. Motion passes.

APPROVED AS PRESENTED

CONTRACT WITH IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP (IDALS) – BLACK HAWK LAKE WATERSHED

Kyle Ament presented a contract for watershed improvement activities. He shared based on the watershed improvement efforts thus far, there has been about a 30% reduction in phosphorus. Future efforts will continue to work towards the goal of the plan and ultimately may remove the lake from the impaired waters list.

Public Comments – None

Written Comments – None

Motion was made by Bob Sinclair to approve the agenda item as presented. Seconded by Stephanie Dykshorn. Motion passes.

APPROVED AS PRESENTED

EPC MEETING DATES 2020

Jerah Sheets obtained feedback from Commissioners on their business meeting and educational needs for 2020.

INFORMATION

GENERAL DISCUSSION

- **Mary Ann Koch – Iowa Citizens for Community Improvement** – Mary Ann Koch is a retired school teacher who has been interested in water issues for the past 15 years. She remembers when there was a lack of water in California and Arizona where it was proposed to pipe water from Lake Superior. Lately, central Iowa has not had an issue with the quantity of water, but the quality of water is ridiculous. The agricultural industry and hog confinements are making Iowa’s water quality what it should not be. She wants all Iowans to be able to drink the water that comes out of their tap.
- **Jerry Uhlman – Iowa Citizens for Community Improvement** – Jerry Uhlman highlighted the last Iowa Water Quality report was in April 2017. He requested for the report to be updated and distributed. Even with a new report, waters are not to swim in, dogs are dying, and children and adults are getting sick. Citizens are not able to use our lakes or streams for recreation.
- **John Lichty – Iowa Citizens for Community Improvement** – John Lichty is a health professional who travels the state as a trouble shooter. He goes to little communities and they tell him not to drink the water. We live between the two greatest rivers and we can’t drink the water. He is concerned what we will tell our grandkids. He feels there has been the same song and dance but he is asking for the Commission to stand up for the state because water is life.
- **Tom Mohan – Iowa Citizens for Community Improvement** – Tom Mohan shared a new report from the summer where the Iowa DNR issued fines for 300 people for not wearing life jackets. He feels the DNR has time to ticket people but do not have time to regulate factory farms. Kids are getting sick and dogs are dying from unsafe water. There are over 700 impaired water ways from factory farms. He requests the Commission to support the DNR by fully staffing inspectors to control the Ag industry.
- **Cherie Mortice – Iowa Citizens for Community Improvement** – Cherie Mortice believes the polluted water ways keep growing which concerns her on our ability to use natural water ways. There is ample evidence that voluntary compliance is not working and it is time to shift our thinking. Good oversight and regulation is a good thing. She congratulated Director Lyon on her new position and invited her to meet with ICCI. The Director has a role to protect our communities and natural resources. She asked for a robust factory farms permitting program and a moratorium on new AFO sites or expansions. The DNR needs to build confidence with citizens due to its failure to enforce the Clean Water Act. She wants Iowa to be a welcoming state for sustainability.
- Jerah Sheets provided upcoming meeting and tour logistics.

ADJOURN

Motion was made by Harold Hommes to adjourn the meeting. Seconded by Howard Hill. Motion passes.

ADJOURNED

Chairperson Lents adjourned the Environmental Protection Commission meeting at 11:25 a.m. on August 20, 2019.

**Monthly Variance Report
August 2019**

Item #	DNR Reviewer	Facility/City	Program	Subject	Decision	Date	Agency Reference
1	Nina Booker	Loess Hills Regional Landfill	Sanitary Disposal	The Loess Hills Regional Landfill is requesting a variance to the pre-treatment requirements for petroleum contaminated soil (PCS) outlined in IAC 567-109.1(2)"d" through "i" for direct burial into landfill.	approved	6/17/19	19sdv219
2	Karen Kuhn	John Deere Foundry	Air Quality Construction Permits	Waiver of Initial Stack Test Requirement.	approved	8/1/19	19aqv220
3	Matt Phoenix	Ames Water Treatment Plant	Water Supply Construction	A variance from requirements to construct conflicting storm sewers of water main material where horizontal and crossing separations cannot be obtained by instead constructing the water main of DIP w/ nitrile gaskets.	approved	8/1/19	19wcv221
4	Nina Booker	Monona County Sanitary Landfill	Sanitary Disposal	567 IAC 114.22(2) requires that at least three downgradient water table monitoring wells shall be installed at each facility. The Monona County Sanitary Landfill is requesting to maintain only 2 downgradient wells.	approved	8/2/19	19sdv222
5	Emy Wenxin	Charles City	Wastewater	The design engineer has requested a design variance from IA 18C.3.6.2 that requires a minimum bedrock separation distance of 4 feet from the pond bottom and bedrock formations.	approved	8/5/19	19cpv223
6	Larry Bryant	City of Waterloo	wastewater	The City of Waterloo is requesting a variance from the Iowa Wastewater Facilities Design Standards Section 13.4.3 (Pump Openings) for installing raw wastewater pumps that do not have the capability to pass a 3-inch sphere.	approved	8/7/19	19cpv224
7	Jason Christopherson	Smithfield Packaged Meats Corp - Mason Ci	Air Quality Construction Permits	Waiver of Initial Stack Test Requirement.	approved	8/8/19	19aqv225
8	Michael Hermsen	Van Diest Supply Company	Air Quality Construction Permits	Waiver of Initial Stack Test Requirement.	approved	8/8/19	19aqv226
9	Tara Naber	Clarion Water Supply	Water Supply Construction	Request to construct a replacement back up generator within a concrete containment structure within 100 feet of existing well #3 (WL02) instead of constructing the generator 100 feet away from existing well #3 (WL02). PWSID IA9909031 / W2018-0265.	approved	8/9/19	19wcv227
10	Sara Smith	Yetter	Water Supply Construction	Yetter (Pop. 34) needs to replace 3 pressure filters located at a basement, which has not historically flooded. Moving filters, chemical feed and tank, above ground would create economic hardship. Filters will be raised 1 ft above floor elevation.	approved	8/9/19	19wcv228
11	John Curtin	Memorial Crematory, LLC	Air Quality Construction Permits	Waiver of Initial Stack Test Requirement for a crematory incinerator.	approved	8/16/19	19aqv229
12	Karen Kuhn	Monsanto Co	Air Quality Construction Permits	Waiver of Initial Stack Test Requirement.	approved	8/19/19	19aqv230
13	Karen Kuhn	Schroeder Cremation Care	Air Quality Construction Permits	Waiver of Initial Stack Test Requirement.	approved	8/19/19	19aqv231
14	Jason Christopherson	West Liberty Foods	Air Quality Construction Permits	Waiver of Initial Stack Test Requirement.	approved	8/20/19	19aqv232
15	Reid Bermel	Michael Foods, Inc.	Air Quality Bureau	MFI wants to use alternative fuel for the boiler without modifying construction permits.	approved	8/21/19	19aqv233
16	Reid Bermel	Microsoft Corporation	Air Quality Bureau	Microsoft wants to start construction of data center before issuance of construction permits.	approved	8/21/19	19aqv234
17	John Curtin	Waterloo Water Works	Air Quality Construction Permits	Waiver of Initial Stack Test Requirement for two stationary internal combustion engines.	approved	8/23/19	19aqv235
18	Andy Jensen	Westgate Drive over Little Walnut Creek	Flood Plains	The applicant is requesting a variance to IAC 567—72.2(2)"3" which requires the new structure to result in no rise of the flood elevations on detailed study streams. A larger bridge than proposed is cost prohibitive for the city.	approved	8/23/19	19fpv236

**Iowa Department of Natural Resources
Environmental Protection Commission**

Decision Item 5**FY 2021 Budget Request**

The Environmental Protection Commission's approval is requested for the Department's FY 2021 appropriation requests. Guidance received from the Department of Management indicates that the FY 2020 adopted budget will be the basis for operating appropriations for the FY 2021 requests. The budget is required by statute to be submitted to the Department of Management by October 1, 2019.

APPROPRIATION NAME	FY 20 Appropriation	FY 21 Budget Request
<u>GENERAL FUND</u>		
Department Operations	\$11,920,987	\$11,920,987
Floodplain Management	\$1,510,000	\$1,510,000
Forestry Health Management	\$500,000	\$500,000
Total General Fund	\$13,930,987	\$13,930,987
<u>ENVIRONMENT FIRST FUND</u>		
Resource Enhancement and Protection	\$12,000,000	\$12,000,000
Ambient Air Quality Monitoring	\$425,000	\$425,000
Water Quality Monitoring	\$2,955,000	\$2,955,000
GIS Data for Watershed Managers	\$195,000	\$195,000
Park Operations and Maintenance	\$6,235,000	\$6,235,000
Floodplain Management	\$375,000	\$375,000
Animal Feeding Operations	\$1,320,000	\$1,320,000
Water Supply Appropriation	\$500,000	\$500,000
Total Environment First Fund	\$24,005,000	\$24,005,000
<u>NON-GENERAL FUND</u>		
Fish and Wildlife Operations	\$45,002,625	\$45,002,625
Groundwater Fund	\$3,455,832	\$3,455,832
UST Administration Match	\$200,000	\$200,000
Snowmobile Transfer to Fish and Wildlife	\$100,000	\$100,000
Total Non-General Fund	\$48,758,457	\$48,758,457
<u>INFRASTRUCTURE FUND</u>		
Lake Water Quality Improvements	\$9,600,000	\$9,600,000
Water Trails/Lowhead Dams	\$500,000	\$500,000
Park Infrastructure Improvements	\$2,000,000	\$2,000,000
Total Infrastructure Fund	\$12,100,000	\$12,100,000
TOTAL	\$98,794,444	\$98,794,444

Jennifer Nelson, Chief Financial Officer
September 17, 2019

**Iowa Department of Natural Resources
Environmental Protection Commission**

ITEM

6

DECISION**TOPIC**

**Notice of Intended Action – Chapter 65 – Animal Feeding Operations
Definition of Common Ownership**

The commission will be informed of a Notice of Intended Action regarding proposed rule making to amend the definition of “common ownership” to remove the word “majority” and replace it with “10 percent or more,” meaning that a person, business entity or any other ownership structure would be considered a common owner if there is an ownership interest of 10 percent or more of two or more confinement feeding operations located within the regulated separation distances of one another.

On July 1, 2019, the Iowa Pork Producers Association (IPPA) petitioned the EPC to amend the definition of “common ownership” as defined in 567 Iowa Administrative Code 65.1. IPPA proposed to amend the definition of “common ownership” by replacing the term “majority” with the phrase “10 percent or more.” IPPA contends in its Petition that the proposed amendment “is intended to promote continued environmentally responsible livestock production in compliance with all applicable law by ensuring that multiple limited liability companies or other business entity structures with the same owners cannot be used for the purpose of avoiding environmental regulation by having all owners hold less than a majority, and none with a ten percent or more, ownership interest with each company owning a different confinement feeding operation on the same farm.”

The DNR supports this proposed rule for the following reasons: 1) the amended definition ensures that the ownership of confinement feeding operations are adequately addressed and operations that should submit manure management plans and construction permits are doing so, and 2) the change in the definition balances the interests of producers and the environment to ensure that adequate oversight is taking place at facilities that should have manure management plans and/or construction permits.

Kelli Book

Acting General Counsel/Legal Services Bureau Chief

IOWA DEPARTMENT OF NATURAL RESOURCES
DES MOINES, IOWA

PETITION BY IOWA PORK PRODUCERS
ASSOCIATION

PETITION FOR RULEMAKING

For the amendment of rules relating to
regulation of confinement feeding operations.

COMES NOW Iowa Pork Producers Association (Petitioner) and hereby states the following in support of the Petition for the amendment of a rule relating to regulation of confinement feeding operations by amending the definition of “common ownership” in IAC 567 - 65.1:

1. Iowa Administrative Code 567 governs the Environmental Protection Commission (EPC), which is under the umbrella of the Iowa Department of Natural Resources (DNR) or (Department).

2. Pursuant to Iowa Administrative Code r. 567.5.1, the provisions of Iowa Administrative Code r. 561-5.1 govern petitions for rulemaking for environmental protection issues.

3. Petitioner requests the following specific rule-making action: IAC 567 – 65.1, definition of “common ownership”, be amended by striking the word “majority” and inserting the figure and words “10 percent or more” on the second line, striking the word “majority” on the fourth line and inserting the figure and words “of 10 percent or more” on the fifth line, adding an exception to ensure that the rule will be applicable only to animal feeding operation structures constructed after the effective date of the rule and retaining rule language in effect before the effective date of this rule applying to existing animal feeding operation structures, and adding an exception recognizing the requirements of common ownership for dry bedded confinement feeding operations in Iowa Code §459B.103(3)(a)(3) as follows:

“Common ownership’ means the ownership of an animal feeding operation as a sole proprietor, or a ~~majority~~ 10 percent or more ownership interest held by a person, in each of two or more animal feeding operations as a joint tenant, tenant in common, shareholder, partner, member, beneficiary, or other equity interest holder. The ~~majority~~ ownership interest of 10 percent or more is a common ownership interest when it is held directly, indirectly through a spouse or dependent child, or both. The following exceptions shall apply to this definition:

1. In addition to any other restriction, express or implied, on the effect of this definition on an animal feeding operation structure constructed before [effective date of this rule], for an animal feeding operation structure constructed before [effective date of this rule]

'common ownership' means the ownership of an animal feeding operation as a sole proprietor, or a majority ownership interest held by a person, in each of two or more animal feeding operations as a joint tenant, tenant in common, shareholder, partner, member, beneficiary, or other equity interest holder. The majority ownership interest is a common ownership interest when it is held directly, indirectly through a spouse or dependent child, or both.

2. This definition shall not apply to a dry bedded confinement feeding operation which is subject to the common ownership requirements in Iowa Code §459B.103(3)(a)(3)."

4. This proposed rule change is intended to promote continued environmentally responsible livestock production in compliance with all applicable law by ensuring that multiple limited liability companies or other business entity structures with the same owners cannot be used for the purpose of avoiding environmental regulation by having all owners hold less than a majority, and none with a ten percent or more, ownership interest with each company owning a different confinement feeding operation on the same farm.

5. Upon information and belief, Petitioner asserts that all persons who operate animal feeding operations in Iowa that are subject to Iowa Code Chapter 459 and Iowa Administrative Code 567, Chapter 65 would be affected by or interested in the proposed action that is the subject of this Petition.

WHEREFORE, Petitioner respectfully requests that this Agency institute rulemaking proceedings in accord with this Petition and the Iowa Administrative Code. Petitioner further respectfully requests all communications concerning this Petition be directed to the undersigned. Petitioner further respectfully requests that this Agency schedule a brief and informal meeting between the Agency and Petitioner to discuss the Petition.

Dated: July 1, 2019



Eldon McAfee
Brick Gentry, P.C.
6701 Westown Parkway, Suite 100
West Des Moines, Iowa 50266
515-271-5916
eldon.mcafee@brickgentrylaw.com
On behalf of Petitioner:
Iowa Pork Producers Association

FILED WITH:
Compliance and Enforcement Bureau
Environmental Protection Division
Department of Natural Resources
503 East 9th St.
Des Moines, IA 50319-0034

Administrative Rules
GOVERNOR'S OFFICE PRECLEARANCE FORM

Agency:	Environmental Protection Commission (EPC)/Department of Natural Resources (DNR)	
IAC Citation:	567 IAC 65.1	
Agency Contact:	Kelli Book: (515) 725-9572 or kelli.book@dnr.iowa.gov	
Statutory Authority:	Iowa Code § 459.103	
Preclearance Requested Review Deadline:	August 26, 2019	
<p>Purpose of Proposed Rule: Pursuant to Iowa Code section 17A.7 and 567 Iowa Administrative Code (IAC) Chapter 5, the Iowa Pork Producers Association (IPPA) petitioned the EPC to amend the definition of “common ownership” as defined in 567 IAC 65.1. IPPA proposes to amend the definition of “common ownership” by replacing the term “majority” with the phrase “10 percent or more.” IPPA contends in its Petition that the proposed amendment “is intended to promote continued environmentally responsible livestock production in compliance with all applicable law by ensuring that multiple limited liability companies or other business entity structures with the same owners cannot be used for the purpose of avoiding environmental regulation by having all owners hold less than a majority, and none with a ten percent or more, ownership interest with each company owning a different confinement feeding operation on the same farm.” The DNR supports this proposed rule for the following reasons: 1) the amended definition ensures that the ownership structures of confinement feeding operations are adequately addressed to guarantee the operations that should submit manure management plans and construction permits are doing so, and 2) the change in the definition balances the interests of producers and the environment to ensure that adequate oversight is taking place at facilities that should have manure management plans and/or construction permits.</p> <p>Note: this proposed change to the definition of “common ownership” will not apply to open feedlots or dry bedded confinement feeding operations because the Iowa Code defines this term for those entities and limits its applicability to a “holder of a majority equity interest in a business association ... including but not limited to as a shareholder, partner, member or beneficiary.” Iowa Code sections 459A.103(1)(c)(1)(c) and 459B.103(3)(a)(3).</p>		
<p>Need for Proposed Rule: The proposed rule making amends the definition of common ownership to remove the word majority and replaces it with “10 percent or more”, meaning that a person, business entity or any other ownership structure would be considered a common owner if there is an ownership interest of 10 percent or more of two or more facilities located within the regulated separation distances of one another. The amended definition ensures that the ownership structures of confinement feeding operations are adequately addressed to guarantee the operations that should submit manure management plans and construction permits are doing so.</p>		
<p>Summary of Informal Rule Making Activities related to the Proposed Rule (e.g., stakeholder input): The rule making petition was submitted by IPPA and vetted by the organization prior to submittal to the DNR. The DNR sought comment on the proposed rule making from the following agencies and organizations: Iowa Department of Agriculture and Land Stewardship, Iowa State Association of Counties, IPPA, Iowa Farm Bureau Federation, Iowa Cattlemen’s Association, Iowa Poultry Association, Iowa Turkey Federation, Iowa State Dairy Association, Iowa Sierra Club, Iowa Environmental Council, and Iowa Citizens for Community Improvement. The DNR also sought comment on the proposed rule making from individuals who asked to review the proposed rule making. The DNR received comments from Iowa Cattlemen’s Association and Iowa State Dairy Association in favor of the rule making. Jefferson County Farmers and Neighbors, Inc., Iowa Alliance for Responsible Agriculture, and Iowa Environmental Council commented that the rule making should apply to facilities retroactively; while Iowa Citizens for Community Improvement and Food and Water Watch commented that the rule making petition should be denied and a more comprehensive rule making should be pursued. One individual commented that the rule making should apply to facilities retroactively and that the change in definition should apply to open feedlots and dry bedded confinement buildings.</p>		

**Administrative Rules
JOBS IMPACT STATEMENT**

1. BACKGROUND INFORMATION

Agency:	Environmental Protection Commission (EPC)/Department of Natural Resources (DNR)
IAC Citation:	567 IAC 65.1
Agency Contact:	Kelli Book: (515) 725-9572 or kelli.book@dnr.iowa.gov
Statutory Authority:	Iowa Code § 459.103
Objective:	The proposed rule amends the definition of "common ownership" in 567 IAC 65.1.
Summary:	The proposed rule making amends the definition of common ownership to remove the word "majority" and replaces it with "10 percent or more", meaning that a person, business entity or any other ownership structure would be considered a common owner if there is an ownership interest of 10 percent or more of two or more confinement feeding operations located within the regulated separation distances of one another.

2. JOB IMPACT ANALYSIS

<input type="checkbox"/> <i>Fill in this box if impact meets these criteria:</i>
<input checked="" type="checkbox"/> No Job Impact on private sector jobs and employment opportunities in the State. <i>(If you make this determination, you must include the following statement in the preamble to the rule: "After analysis and review of this rulemaking, no impact on jobs has been found.")</i>
Explanation: After analysis and review of this rule making, no impact on jobs has been found.

<input type="checkbox"/> <i>Fill in this box if impact meets either of these criteria:</i>
<input type="checkbox"/> Positive Job Impact on private sector jobs and employment opportunities in the State.
<input type="checkbox"/> Negative Job Impact on private sector jobs and employment opportunities in the State.
<i>Description and quantification of the nature of the impact the proposed rule will have on private sector jobs and employment opportunities:</i>
<i>Categories of jobs and employment opportunities that are affected by the proposed rule:</i>
<i>Number of jobs or potential job opportunities:</i>
<i>Regions of the state affected:</i>
<i>Additional costs to the employer per employee due to the proposed rule: (if not possible to determine, write "Not Possible to Determine.")</i> Not Possible to Determine.

3. COST-BENEFIT ANALYSIS

The Agency has taken steps to minimize the adverse impact on jobs and the development of new employment opportunities before proposing a rule. See the following Cost-Benefit Analysis:

No other less intrusive or expensive method exists for achieving the purpose of the proposed rule.

4. FISCAL IMPACT

Please see the Fiscal Impact Statement for an identification and description of costs the Department anticipates state agencies, local governments, the public, and the regulated entities, including regulated businesses and self-employed individuals, will incur from implementing and complying with the proposed rule.

5. PREAMBLE

The information collected and included in this Jobs Impact Statement must be included in the preamble of the proposed rule, written in paragraph form. For rules that have no impact on jobs (see the first box in number 2 above), the following statement must be included in the preamble: "After analysis and review of this rulemaking, no impact on jobs has been found."

Administrative Rule Fiscal Impact Statement

Date: August 16, 2019

Agency: Environmental Protection Commission (EPC)/Department of Natural Resources (DNR) IAC Citation: 567 IAC 65.1 Agency Contact: Kelli Book: (515) 725-9572 or kelli.book@dnr.iowa.gov
Summary of the Rule: The proposed rule making amends the definition of common ownership in 567 IAC 65.1 to remove the word "majority" and replaces it with "10 percent or more", meaning that a person, business entity or any other ownership structure would be considered a common owner if there is an ownership interest of 10 percent or more of two or more confinement feeding operations located within the regulated separation distances of one another.
<input type="checkbox"/> <i>Fill in this box if impact meets these criteria:</i>
<input type="checkbox"/> No Fiscal Impact to the State.
<input checked="" type="checkbox"/> Fiscal Impact of less than \$100,000 annually or \$500,000 over 5 years.
<input type="checkbox"/> Fiscal Impact cannot be determined.
Brief Explanation: It is anticipated there may be a minimal increase in permit fees, indemnity fees, and compliance fees submitted to the DNR because there may be more confinement feeding operations that are required to submit a manure management plan and/or a construction permit application. There are no anticipated increase in costs to the DNR associated with implementing the proposed rule. DNR employees who currently oversee manure management plans and construction permits will continue to do so; no additional personnel would be needed.

<p>Assumptions: Confinement feeding operations with an animal unit capacity of 1,000 or more are required to obtain a construction permit (Permitted Facilities). It is estimated that the proposed rule would require 12 additional Permitted Facilities to obtain construction permits; this is based on an estimate of two new facilities in each one of DNR's six field office regions. Additionally, confinement feeding operations with an animal unity capacity of 500 or more are required to submit a Construction Design Statement (CDS) and a manure management plan (CDS Facilities). It is estimated that the proposed rule would require 12 additional CDS Facilities to submit a CDS and manure management plan; this is based on an estimate of two new facilities in each one of DNR's six field office regions.</p>
<p>Describe how estimates were derived: The following information was used to calculate the additional fees that may be collected by the DNR due to the proposed rule making and used swine as an example:</p> <ul style="list-style-type: none"> • For Permitted Facilities: 12 permits x 3600 (average size of facility) x 0.40 per animal unit = 17,280 additional animal units will now be part of a Permitted Facility. Indemnity fee is \$0.15 per animal unit, so 17,280 x .15 = \$2,592 additional indemnity fees per year. 12 permits x \$500 manure management plan and application fees (for Permitted Facilities) = \$6,000 additional manure management plan and application fees. There would be a total of \$8,592 of additional revenue from Permitted Facilities annually. • For CDS Facilities: 12 facilities x 2400 (average size of facility) x 0.40 per animal unit = 11,520 animal units that will now be part of a CDS Facility. Indemnity fee is \$0.15 per animal unit, so 11,520 x .15 = \$1,728 additional indemnity fees per year. 12 permits x \$250 manure management plan and application fees (for CDS Sites) = \$3,000 additional manure management plan and application fees. There would be a total of \$4,728 of additional revenue from CDS sized facilities annually. • Total additional revenue for permitted and CDS sites would be \$13,320 annually. • There would also be additional annual compliance fees paid annually. 24 facilities X 3,000 (average size) x 0.40 per animal unit x 0.15 fee = \$4,320 additional revenue for annual compliance fees.

Estimated Impact to the State by Fiscal Year

	Year 1 (FY)	Year 2 (FY)
Revenue by Each Source:		
GENERAL FUND	\$0	\$0

FEDERAL FUNDS	\$0	\$0
Other (Animal Ag Compliance Fund)	\$17,640	\$21,960
TOTAL REVENUE	\$17,640	\$21,960
Expenditures:		
GENERAL FUND	\$0	\$0
FEDERAL FUNDS	\$0	\$0
Other (specify)	\$0	\$0
TOTAL EXPENDITURES	\$0	\$0
NET IMPACT	\$17,640	\$21,960*

*This includes the compliance fees from Year 1.

This rule is required by State law or Federal mandate.

Please identify the state or federal law:

Funding has been provided for the rule change.

Please identify the amount provided and the funding source:

Funding has not been provided for the rule.

Please explain how the agency will pay for the rule change:

There are no anticipated increase in costs to the DNR associated with implementing the proposed rule. DNR employees who currently oversee manure management plans and construction permits will continue to do so; no additional personnel would be needed.

Fiscal impact to persons affected by the rule: There will be a minimal impact to a few facilities each year that previously would not have been required to submit a manure management plan and/or construction permit application, but would now be required to do so because of the change in the definition. The increased expenses would include consulting fees, as well as the fees discussed in the Revenue section above.

Fiscal impact to Counties or other Local Governments (required by Iowa Code 25B.6): Counties may have a small number of additional construction permit applications to review and score the Master Matrix, but the proposed rule is likely to have no fiscal impact on the Counties.

DEPARTMENT OF NATURAL RESOURCES[567]**Notice of Intended Action**

The Environmental Protection Commission (Commission) hereby proposes to amend Chapter 65 “Animal Feeding Operations” Iowa Administrative Code.

Legal Authority for Rule Making

This rule making is proposed under the authority provided in Iowa Code section 459.103.

State or Federal Law Implemented

This rule making implements, in whole or in part, Iowa Code section 459.103.

Purpose and Summary

Pursuant to Iowa Code section 17A.7 and Chapter 5, the Iowa Pork Producers Association (IPPA) petitioned the Commission to amend the definition of “common ownership” as defined in rule 65.1. IPPA proposed to amend the definition of “common ownership” by replacing the term “majority” with the phrase “10 percent or more.” IPPA contended in its Petition that the proposed amendment “is intended to promote continued environmentally responsible livestock production in compliance with all applicable law by ensuring that multiple limited liability companies or other business entity structures with the same owners cannot be used for the purpose of avoiding environmental regulation by having all owners hold less than a majority, and none with a ten percent or more, ownership interest with each company owning a different confinement feeding operation on the same farm.”

The Commission hereby agrees with this proposal and is proposing an amendment to the definition of “common ownership” in rule 65.1 to remove the word "majority" and replace it with “10 percent or more”, meaning that a person, business or any other ownership entity subject to Iowa Code Chapter 459 would be considered a common owner (and hence a single animal feeding operation) if there is an ownership interest of 10 percent or more of two or more facilities located within the regulated separation distances of one another. The proposed rule making will ensure that the ownership structures of confinement feeding operations are adequately addressed and operations that should submit manure management plans and construction permits are doing so.

Fiscal Impact

This rule making has a fiscal impact to the state of Iowa. It is anticipated there may be a minimal increase in permit, indemnity, and compliance fees submitted to the Department of Natural Resources (Department) because there may be more animal feeding operations that are required to submit a manure management plan and/or a construction permit application. There are no anticipated increase in costs to the Department associated with implementing the proposed rule. Department employees who currently oversee manure management plans and construction permits will continue to do so; no additional personnel would be needed. There will be a minimal impact to a few facilities each year that previously would not have been required to submit a manure management plan and/or construction permit application, but would now be required to do so because of the change in the definition. The increased expenses would include consulting costs, as well as permit, compliance and indemnity fees. A copy of the fiscal impact statement is available from the Department upon request.

Jobs Impact

After analysis and review of this rule making, no impact on jobs has been found.

Waivers

Any person who believes that the application of the discretionary provisions of this rule making would result in hardship or injustice to that person may petition the Department for a waiver of the discretionary provisions, if any, pursuant to 561-Chapter 10.

Public Comment

Any interested person may submit comments concerning this proposed rule making. Written comments in response to this rule making must be received by the Department no later than 4:30 p.m. on {deadline for public comments (**not less than 20 days** after publication)}. Comments should be directed to:

Kelli Book

Iowa Department of Natural Resources

Wallace State Office Building

502 East 9th Street

Des Moines, Iowa 50319

Email: kelli.book@dnr.iowa.gov

Public Hearing

A public hearing at which persons may present their views orally or in writing will be held as follows:

{date/time/location of public hearing, if held (**not less than 20 days** after Notice pub. date)}

Persons who wish to make oral comments at the public hearing may be asked to state their names for the record and to confine their remarks to the subject of this proposed rule making.

Any persons who intend to attend the hearing and have special requirements, such as those related to hearing or mobility impairments, should contact the Department and advise of specific needs.

Review by Administrative Rules Review Committee

The Administrative Rules Review Committee, a bipartisan legislative committee which oversees rule making by executive branch agencies, may, on its own motion or on written request by any individual or group, review this rule making at its regular monthly meeting or at a special meeting. The Committee's meetings are open to the public, and interested persons may be heard as provided in Iowa Code section 17A.8(6).

The following rule making action is proposed:

ITEM 1. Amend rule 567—65.1(Definitions) as follows:

“*Common ownership*” means the ownership of an animal feeding operation as a sole proprietor, or a ~~majority~~ 10 percent or more ownership interest held by a person, in each of two or more animal feeding operations as a joint tenant, tenant in common, shareholder, partner, member, beneficiary, or other equity interest holder. The ~~majority~~ ownership interest is a common ownership interest when it is held directly, indirectly through a spouse or dependent child, or both. The following exceptions shall apply to this definition:

1. For an animal feeding operation structure constructed before [effective date of this rule] ‘common ownership’ means the ownership of an animal feeding operation as a sole proprietor, or a majority ownership interest held by a person, in each of two or more animal feeding operations as a joint tenant, tenant in common, shareholder, partner, member, beneficiary, or other equity interest holder. The majority ownership interest is a common ownership interest when it is held directly, indirectly through a spouse or dependent child, or both.

2. This definition shall not apply to a dry bedded confinement feeding operation which is subject to the common ownership requirements in Iowa Code section 459B.103(3)(a)(3).

**Iowa Department of Natural Resources
Environmental Protection Commission**

ITEM

7

DECISION

**TOPIC Clean Water and Drinking Water State Revolving Loan Fund – FY 2020
Intended Use Plan Second Quarter Update**

Commission approval is requested for the Clean Water State Revolving Fund (CWSRF) and Drinking Water State Revolving Fund (DWSRF) Intended Use Plan (IUP) updates for the second quarter of FY 2020 (July 1, 2019 – June 30, 2020).

The State Revolving Fund (SRF) programs are authorized through federal legislation and administered by the State of Iowa under the oversight of the U.S. Environmental Protection Agency. The Iowa SRF is operated through a coordinated partnership between the Department of Natural Resources (DNR) and the Iowa Finance Authority (IFA). DNR administers the environmental and permitting aspects of the programs, with IFA providing financial assistance including loan approval and disbursements. Other important partners include the Iowa Department of Agriculture and Land Stewardship, Soil and Water Conservation Districts, county sanitarians, participating lenders, and others.

The CWSRF finances publicly owned wastewater and sewer facilities, storm water management for water quality, and nonpoint source control practices to keep pollution out of Iowa's water. The DWSRF covers water system projects, treatment, storage, distribution and transmission, as well as consolidation and connections.

The FY 2020 IUP and quarterly updates include plans of action for the SRF programs, goals and objectives, financial management strategies, discussion of set-aside programs and efforts, an analysis of current and projected financial capability and planned uses for administrative accounts. The project priority lists are included in the IUP as a separate, sortable file.

This quarter's IUP update also includes a list of General Nonpoint Source water quality projects that include land acquisition by a private entity. Senate File 548 places restrictions on the use of SRF funds by private entities for land acquisitions that are made on or after July 1, 2019. The applications related to this list of projects are for land acquisitions by a private entity for future transfer to a public entity which were purchased prior to July 1, 2019. These projects meet the new eligibility restriction established by SF 548 and are recommended for approval by EPC.

The IUPs are developed in June and updated quarterly in September, December, and March or more often as needed. Each draft IUP is released for public comment, and then presented for approval to the Commission. A public meeting was held on August, 8, 2019 to receive comments on the proposed IUP updates. There was one attendee but no comments were taken for the record. The written comment period closed on August 15, 2019. Stakeholder comments were received by EPA and IFA and changes were incorporated into this IUP.

The Sources and Uses tables for both CWSRF and DWSRF show that funds are available or obtainable to provide anticipated disbursements.

Theresa Enright, DNR SRF Coordinator
August 26, 2019

Project Name	DWSRF No.	Project Description	IUP Yr	Project Categories	Priority Points	Quarter	Population	Project Status	Current Requests	Loan Forgiveness	Date Loan Signed	Original Request	Loan Amount
Clarion	PD-DW-20-021	Planning for water main improvements and replacement	2020	G	P&D	2	2850	R	\$ 1,500,000				
Bagley	FS-39-20-DWSRF-013	City of Bagley Connection to the Xenia Rural Water System	2020	A, C, E	80	2	303	P	\$ 545,000			\$ 545,000	
Garwin	FS-86-20-DWSRF-008	2018 Water Distribution System Improvements	2020	B,C,E	55	2	527	P	\$ 800,000			\$ 800,000	
Rock Valley	FS-84-20-DWSRF-010	Rock Valley Water System Phases I and II	2020	B, E	45	2	3730	P	\$ 2,009,000			\$ 2,009,000	
Iowa-American Water - Davenport	FS-82-20-DWSRF-007	East River Station WTP UV	2020	A	45	2	143000	P	\$ 7,689,300			\$ 7,689,300	
Park View Water & Sanitary District	FS-82-20-DWSRF-006	WTP #2 Improvements	2020	B, E	45	2	2389	P	\$ 2,509,000			\$ 2,509,000	
Dyersville	FS-31-20-DWSRF-011	Construction of a new water booster station, and associated water distribution improvements	2020	B, E	45	2	4220	P	\$ 1,461,000			\$ 1,461,000	
Tipton	FS-16-20-DWSRF-009	Water Main Replacement 0 20th Street to North Street	2020	B,C,E	40	2	3220	P	\$ 407,000			\$ 407,000	
Dakota City	FS-46-20-DWSRF-012	WTP Upgrade	2020	B, E	25	2	843	P	\$ 1,116,000			\$ 1,116,000	
Fairfax	PD-DW-20-11	New ground water storage tank and pump station proposal	2020	G	P&D	1	3000	L	N/A		6/21/19	\$ 291,000	\$ 291,000.00
Early	PD-DW-20-01	Evaluation a new treatment system and installation of new water mains	2020	G	P&D	1	523	L	N/A		6/21/19	\$ 515,000	\$ 515,000
Eagle Grove	PD-DW-20-10	Assessments, reports and modeling to support application for CDBG funds	2020	G	P&D	1	3583	L	N/A		7/12/2019	\$ 115,000	\$ 115,000.00
Hiawatha	FS-57-20-DWSRF-004	Construct ground storage reservoir and booster station with generator	2020	B, E	60	1	7353	P	\$ 2,329,000			\$ 2,329,000	
Auburn	FS-81-20-DWSRF-003	Construction of new Dakota sandstone aquifer well and a new 50,000 gallon water tower	2020	B, E	45	1	315	P	\$ 1,447,000			\$ 1,447,000	
Fairfax	FS-57-20-DWSRF-005	Construct 500k gallon ground water storage tank, pump station and utility extensions	2020	B,E	45	1	3000	P	\$ 3,142,000			\$ 3,142,000	
Albion	FS-64-20-DWSRF-002	Construction of well to Mississippian formation and purchase of new water meters	2020	B,E	45	1	470	P	\$ 412,000			\$ 412,000	
Wahpeton	FS-30-20-DWSRF-001	Replace water main and associated appurtenances	2020	B, E	30	1	368	P	\$ 526,000			\$ 526,000	
Jamaica	PD-DW-19-44	Water Treatment System Improvements	2019	G	P&D	4	220	L	N/A		5/31/19	\$ 375,000	\$ 375,000.00
Lewis	PD-DW-19-45	Water Treatment and Distribution System Improvements	2019	G	P&D	4	433	L	N/A		3/29/19	\$ 120,000	\$ 12,000.00
Anthon	PD-DW-19-58	Water Treatment Plant Improvements	2019	G	P&D	4	560	L	N/A		3/22/19	\$ 120,000	\$ 120,000.00
Williamsburg	FS-48-19-DWSRF-023	RO Treatment Facility to replace iron/manganese treatment	2019	A, B, E	70	4	3189	P	\$ 5,966,000			\$ 5,966,000	
Guthrie Center	FS-39-19-DWSRF-026	Existing Ground Storage Facilities	2019	B, C, E	55	4	1569	P	\$ 1,491,000			\$ 1,491,000	
Pomeroy	FS-13-19-DWSRF-024	Water Treatment System Improvements	2019	B, C, E	55	4	655	P	\$ 1,136,000			\$ 1,136,000	
Alta	FS-11-19-DWSRF-031	Production Well #7	2019	B, E	45	4	2056	L	N/A		7/12/19	\$ 784,000	\$ 825,000.00

Project Name	DWSRF No.	Project Description	IUP Yr	Project Categories	Priority Points	Quarter	Population	Project Status	Current Requests	Loan Forgiveness	Date Loan Signed	Original Request	Loan Amount
Sanborn	FS-71-19-DWSRF-027	RO pilot protocol, New Water Treatment Plant Evaluation	2019	B, E	45	4	1384	P	\$ 8,502,000			\$ 8,502,000	
Oelwein	FS-33-19-DWSRF-030	2019 Water Main Replacement	2019	B, C, E	40	4	6415	P	\$ 1,281,000			\$ 1,281,000	
Sigourney	FS-54-19-DWSRF-029	Water distribution system improvements	2019	B, C, E	40	4	2000	P	\$ 491,000			\$ 491,000	
Somers	FS-13-19-DWSRF-028	Municipal Water Filtration Improvements	2019	B, C, E	35	4	113	P	\$ 179,000			\$ 179,000	
Sumner	FS-09-19-DWSRF-025	E 1st Street Water Main Improvements	2019	B, D, E	30	4	2028	R	\$ 684,000			\$ 684,000	
Alta	PD-DW-19-43	Construction of a second new well	2019	G	P&D	3	1958	L	N/A		4/5/19	\$ 56,500	\$ 56,500.00
Grafton	PD-DW-19-40	Construct a new water treatment system	2019	G	P&D	3	258	L	N/A		3/1/19	\$ 72,300.00	\$ 72,300.00
Stacyville	PD-DW-19-41	water main replacement along Broad Street	2019	G	P&D	3	501	L	N/A		12/28/18	\$ 164,700.00	\$ 164,000.00
Thompson	PD-DW-19-42	Install new water treatment plant and extend water main to existing system from new WTP	2019	G	P&D	3	517	L	N/A		2/1/19	\$ 105,500.00	\$ 105,500.00
Stacyville	FS-66-19-DWSRF-016	Water main replacement along Broad Street	2019	B,C,E	40	3	501	R	\$ 988,000			\$ 988,000	
Thompson	FS-95-19-DWSRF-018	Install new water treatment plant and extend water main to existing system from new WTP	2019	B,C,E	40	3	517	R	\$ 577,000			\$ 577,000	
Grafton	FS-98-19-DWSRF-022	Construct a new water treatment system	2019	B,C,E	35	3	258	P	\$ 630,000			\$ 630,000	
Sioux City	FS-97-19-DWSRF-019	Airport Water Main Replacement	2019	A,B	35	3	82759	P	\$ 3,098,000			\$ 3,098,000	
Clarion	FS-99-19-DWSRF-020	Water Main Improvements	2019	B, E	30	3	2850	P	\$ 1,397,000			\$ 1,397,000	
Mitchellville	FS-77-19-DWSRF-017	Water main replacement	2019	B,E	30	3	2254	P	\$ 1,110,000			\$ 1,110,000	
Bernard	FS-31-19-DWSRF-015	Replacement of ground storage tank, booster pumps	2019	B, E	25	3	112	P	\$ 185,000			\$ 185,000	
Rockwell City	FS-13-19-DWSRF-021	Water Main install to Twin Lakes	2019	D,E	25	3	1714	P	\$ 1,695,000			\$ 1,695,000	
Albion	PD-DW-19-13	Construction of new water main connecting to Marshalltown Water Works	2019	G	P&D	2	505	R	\$ 55,000			\$ 55,000	
Auburn	PD-DW-19-14	Construction of second Dakota Well and new 50000 gallon water tower	2019	G	P&D	2	322	L	N/A		9/28/18	\$ 80,000.00	\$ 80,000.00
Bellevue	PD-DW-19-15	Construction of 2700 sf Radium Treatment Facility	2019	G	P&D	2	2191	R	\$ 285,000			\$ 285,000	
Colfax	PD-DW-19-16	Water Main Improvements	2019	G	P&D	2	2093	L	N/A		9/28/18	\$ 175,000.00	\$ 175,000.00
Ida Grove	PD-DW-19-21	Construction of new well, water main, standby power, and water meter replacement	2019	G	P&D	2	2158	L	N/A		9/28/18	\$ 310,000.00	\$ 310,000.00
Malvern	PD-DW-19-17	Construction of new water treatment plant	2019	G	P&D	2	1142	L	N/A		9/28/18	\$ 228,000.00	\$ 228,000.00
Sanborn	PD-DW-19-18	Construction of new reverse osmosis water treatment plant	2019	G	P&D	2	1424	L	N/A		10/26/18	\$ 690,000.00	\$ 690,000.00
Woodland Ridge Subdivision	FS-52-19-DWSRF-011	Connection to Iowa City and abandon system existing wells and to eliminate existing public water supply system	2019	A, F	60	2	50	R	\$ 510,000			\$ 510,000	

Project Name	DWSRF No.	Project Description	IUP Yr	Project Categories	Priority Points	Quarter	Population	Project Status	Current Requests	Loan Forgiveness	Date Loan Signed	Original Request	Loan Amount
Pleasantville	FS-63-19-DWSRF-010	Water replacement project. Replace approx 5,300' of 4" and 6" WM with 10" PVC pipes.	2019	A, B, C, E	55	2	1694	L	N/A			\$ 848,000	\$ 417,000.00
Osceola Rural Water System-North	FS-72-19-DWSRF-012	A new 1,800 gpm RO expansion including wells, water storage and pipeline	2019	B, E	40	2	4495	P	\$ 6,435,000			\$ 17,709,000	
Colfax	FS-50-19-DWSRF-013	Replace old undersized water mains with new properly sized ones.	2019	B, E	30	2	2093	P	\$ 1,263,000			\$ 1,263,000	
Ottumwa Water Works	FS-90-19-DWSRF-009	Increase lift station capacity, construct gravity sludge thickener, install second press, backwash attenuation tank and new pump station as stated in Lime Residual Process Evaluation Amendment #1	2019	B, C	25	2	25023	P	\$ 4,400,000			\$ 4,400,000	
Dubuque	FS-31-19-DWSRF-014	Construction of a 1.25 MG water tower, 4840 lineal feet of 12" water main and 80 lineal feet of 16" water main, and 4 PVR stations. Demo existing Eagle Point Water Tower and replace pumps and process piping at Eagle Point Water Treatment Plant.	2019	B	20	2	58485	R	\$ 4,697,370			\$ 4,697,370	
Bernard	PD-DW-19-01	Replacement of ground storage tank, booster pumps	2019	G	P&D	1	112	L	N/A		11/30/18	\$ 70,000.00	\$ 70,000.00
Manchester	PD-DW-19-02	Installation of water main loop	2019	G	P&D	1	5179	L	N/A		8/31/18	\$ 96,500.00	\$ 96,500.00
Osceola Co Rural Water	PD-DW-19-03	Construction of 2400 gpm water treatment plant expansion	2019	G	P&D	1	4495	R	\$ 700,000			\$ 700,000	
Pomeroy	PD-DW-19-04	Water Treatment Facility Replacement	2019	G	P&D	1	669	L	N/A		3/29/19	\$ 133,000	\$ 133,000.00
Rockwell City	PD-DW-19-05	Water Main install to Twin Lakes	2019	G	P&D	1	1714	L	N/A		10/19/18	\$ 149,000.00	\$ 149,000.00
Bellevue	FS-49-19-DWSRF-003	North water main extension	2019	A, E	45	1	2191	P	\$ 1,216,000			\$ 1,216,000	
Clarion	FS-99-19-DWSRF-004	Construction of new well & transmission main to WTP, and improvements to distribution system	2019	B, E	45	1	2850	P	\$ 802,995			\$ 802,995	
Avoca	FS-78-19-DWSRF-006	Water main replacement	2019	B, E	30	1	1662	P	\$ 2,526,306			\$ 2,213,602.00	
Manchester	FS-28-19-DWSRF-005	Installation of water main loop	2019	B, E	30	1	5179	L	N/A		2/8/19	\$ 929,000.00	\$ 754,000.00
Anthon	FS-97-19-DWSRF-001	Improvements to wells, filter systems, controls, electrical system, chemical feed, and storage	2019	B, E	25	1	565	P	\$ 1,226,000			\$ 1,226,000	
Johnston	FS-77-19-DWSRF-002	Construction of new booster pump station & emergency generator, installation of new water main to connect pressure zones, construction of new flow metering vault, and removal of control valve	2019	B, E	20	1	20460	P	\$ 2,750,000			\$ 2,750,000	
Blairsburg	PD-DW-18-51	New water treatment facility	2018	G	P&D	4	215	L	N/A		4/27/18	\$ 135,000.00	\$ 135,000.00

Project Name	DWSRF No.	Project Description	IUP Yr	Project Categories	Priority Points	Quarter	Population	Project Status	Current Requests	Loan Forgiveness	Date Loan Signed	Original Request	Loan Amount
Clarion	PD-DW-18-45	New well and water main	2018	G	P&D	4	2850	L	N/A		3/23/18	\$ 210,000.00	\$ 210,000.00
Delaware	PD-DW-19-30	Installation of pressure tanks and extension of public water mains to serve residents currently on private wells	2018	G	P&D	4	152	L	N/A		9/28/18	\$ 30,000.00	\$ 30,000.00
Dunkerton	PD-DW-18-46	Iron removal	2018	G	P&D	4	851	R	\$ 112,500			\$ 112,500	
Elkader	PD-DW-18-47	Water main replacement	2018	G	P&D	4	1300	L	N/A		3/23/18	\$ 156,700.00	\$ 156,700.00
Fort Dodge	PD-DW-18-48	Reverse osmosis system	2018	G	P&D	4	25206	L	N/A		3/30/18	\$ 700,000.00	\$ 700,000.00
Gallery Acres West HOA (Solon)	PD-DW-18-52	Evaluation of system supply, connection of water main to city, replacement of GAW distribution system and easement acquisitions.	2018	G	P&D	4	43	L	N/A		9/28/18	\$ 75,000.00	\$ 75,000.00
Gilbert	PD-DW-18-55	Design and construction of a new water treatment plant, ground storage tank, and high service pump station, replacement of electric and controls for existing wells, and installation of backup generator for well field	2018	G	P&D	4	1140	L	N/A		4/6/18	\$ 330,900.00	\$ 350,000.00
Pleasantville	PD-DW-18-49	Water main replacement	2018	G	P&D	4	1700	L	N/A		4/6/18	\$ 36,400.00	\$ 36,400.00
Grimes	FS-77-18-DWSRF-016	Design and construction of a new water tower, new Jordan well, and new reverse osmosis treatment plant to meet demands of growing population	2018	B	30	4	13600	L	N/A		3/8/19	\$ 27,869,000	\$ 4,200,000.00
Grimes	FS-77-18-DWSRF-016 (2) - EST	Design and construction of a new water tower, new Jordan well, and new reverse osmosis treatment plant to meet demands of growing population	2018	B	30	4	13600	L	N/A		4/12/19	\$ 23,669,000.00	\$ 3,800,000.00
Grimes	FS-77-18-DWSRF-016 (3) - Raw Water Main	Design and construction of a new water tower, new Jordan well, and new reverse osmosis treatment plant to meet demands of growing population	2018	B	30	4	13600	L	\$ 18,310,000.00		6/7/19	\$ 19,869,000.00	\$ 1,559,000.00
Gilbert	FS-85-18-DWSRF-021	Design and construction of a new water treatment plant, ground storage tank, and high service pump station, replacement of electric and controls for existing wells, and installation of backup generator for well field	2018	B, E	25	4	1126	P	\$ 4,322,000			\$ 4,322,000	
Lake Panorama Association	FS-39-18-DWSRF-018	Design and construction of a reverse osmosis treatment plant to address hardness, total dissolved solids, and sulfates	2018	B, E	25	4	2750	R	\$ 3,569,000			\$ 3,569,000	
Delaware	FS-28-18-DWSRF-020	Installation of pressure tanks and extension of public water mains to serve residents currently on private wells	2018	C, E	20	4	159	L	N/A		3/29/19	\$ 177,425	\$ 112,000.00

Project Name	DWSRF No.	Project Description	IUP Yr	Project Categories	Priority Points	Quarter	Population	Project Status	Current Requests	Loan Forgiveness	Date Loan Signed	Original Request	Loan Amount
DWSRF	FS-78-18-DWSRF-015	Replace an aging transmission main	2018	B	20	4	63795	L	N/A		9/7/18	\$ 5,025,000.00	\$ 5,025,000.00
Iowa Lakes Regional Water	FS-21-18-DWSRF-019	Addition of solar panels at six booster stations and water towers to reduce operational cost and improve resiliency	2018	B	15	4	14,600	P	\$ 260,000			\$ 260,000	
Adel	PD-DW-18-31	Plan for water treatment improvements	2018	G	P&D	3	3682	L	N/A		1/5/18	\$ 1,025,000.00	\$ 1,025,000.00
Bagley	PD-DW-18-28	Plan for new water source and water treatment options	2018	G	P&D	3	303	L	N/A		1/19/18	\$ 150,000.00	\$ 150,000.00
Grimes	PD-DW-18-29	Plan for new water tower, Jordan well, water mains, and treatment plant expansion	2018	G	P&D	3	8246	L	N/A		1/5/18	\$ 1,809,000.00	\$ 1,809,000.00
Vail	PD-DW-18-30	Plan for new water source and water treatment options	2018	G	P&D	3	436	R	\$ 50,000			\$ 50,000	
Dunkerton	FS-07-18-DWSRF-014	Construct an iron removal facility on Well #3	2018	B,E	25	3	851	P	\$ 1,181,000			\$ 1,181,000	
Dakota City	PD-DW-18-21	Water treatment facility upgrades	2018	G	P&D	2	858	L	N/A		12/8/17	\$ 140,000.00	\$ 140,000.00
Dubuque	PD-DW-18-20	Pressure zone improvements	2018	G	P&D	2	57852	L	N/A		9/22/17	\$ 475,000.00	\$ 475,000.00
Garwin	PD-DW-18-17	Water main replacement	2018	G	P&D	2	527	L	N/A		10/20/17	\$ 100,000.00	\$ 100,000.00
Marble Rock	PD-DW-18-18	Water main replacement	2018	G	P&D	2	307	L	N/A		9/22/17	\$ 108,500.00	\$ 108,000.00
Woodland Ridge Subdivision	PD-DW-18-19	Address radium MCLs	2018	G	P&D	2	50	L	N/A		4/13/18	\$ 66,000.00	\$ 66,000.00
Fort Dodge	FS-94-18-DWSRF-011	Reduce water hardness, reducing chloride concentrations to sanitary sewer, with construction of new Mississippian well, reverse osmosis process, and waste disposal system	2018	A,B	80	2	25206	L	N/A		6/28/19	\$ 20,804,000.00	\$ 25,286,000
Kiron	FS-24-18-DWSRF-013	Water storage	2018	B,C,E	55	2	279	P	\$ 561,000			\$ 561,000	
Cleghorn	FS-18-18-DWSRF-006	Replace aging water tower, install water mains to tower, add emergency generator at water treatment plant	2018	B,E	45	2	247	L	\$ 200,000		3/8/19	\$ 1,024,000	\$ 557,000.00
Pocahontas	FS-76-18-DWSRF-012	Install new well	2018	B,E	45	2	1789	P	\$ 547,000			\$ 547,000	
Marble Rock	FS-34-18-DWSRF-010	Address areas of city that experience poor water quality and quantity by looping and installing larger water mains	2018	B,C,E	40	2	290	L	N/A		4/19/18	\$ 482,000	\$ 574,000.00
Lehigh	FS-94-18-DWSRF-008	Improvements to water filtration system	2018	B,C,E	35	2	416	P	\$ 553,554			\$ 553,554	
Sioux City (Grandview Reservoirs)	FS-97-18-DWSRF-007	Demolish and replace South and North Grandview reservoirs which were built in 1941 in order to improve capacity in the Grandview pressure zone	2018	B	35	2	82759	P	\$ 6,535,937			\$ 6,535,937	

Project Name	DWSRF No.	Project Description	IUP Yr	Project Categories	Priority Points	Quarter	Population	Project Status	Current Requests	Loan Forgiveness	Date Loan Signed	Original Request	Loan Amount
Sergeant Bluff	FS-97-18-DWSRF-009	Add new detention tank to provide iron settling and new pressure filter to provide 2-stage iron, manganese, and ammonia removal. Convert existing tank for finished water storage. Upgrade water mains	2018	B,E	25	2	4227	L	\$ 6,096,000		6/7/19	\$ 6,096,000	\$ 1,242,000.00
Armstrong	PD-DW-18-02	Water Treatment Plant Improvements	2018	G	P&D	1	943	L	N/A		9/8/17	\$ 238,000.00	\$ 238,000.00
Dedham	PD-DW-18-01	Construction of a new well at alternative location to provide city with backup water supply	2018	G	P&D	1	266	R	\$ 50,000			\$ 50,000	
Lakota	FS-55-18-DWSRF-002	Install a new Water Treatment Plant	2018	B,C,E	35	1	255	P	\$ 424,000			\$ 424,000	
Newton	FS-50-18-DWSRF-001	Cover existing backwash tank with new building	2018	B	15	1	16262	P	\$ 402,000			\$ 402,000	
Fort Dodge	PD-DW-17-55	Addition of water softening process to water treatment plant	2017	G	P&D	4	25206	L	N/A		8/11/17	\$ 1,200,000.00	\$ 1,200,000.00
Johnston	PD-DW-17-50	New pump station, water main, and emergency generator	2017	G	P&D	4	17306	L	N/A		9/29/17	\$ 500,000.00	\$ 500,000.00
Dubuque	FS-31-17-DWSRF-026	Construction of a water pumping facility and connection to two homeowners' associations	2017	B,E	40	4	57852	L	N/A		7/7/17	\$ 10,801,400.00	\$ 10,198,000.00
Raymond	FS-07-17-DWSRF-028	Watermain Loop connecting to Waterloo Water Works	2017	B	20	4	788	L	N/A		10/19/18	\$ 1,688,400.00	\$ 1,025,000.00
Armstrong	FS-32-17-DWSRF-020	Water treatment improvements	2017	A,B,E	70	3	943	P	\$ 1,100,000			\$ 1,100,000	
Bellevue	FS-49-17-DWSRF-021	Construction of a water treatment facility	2017	A,E	60	3	2191	L	N/A	75%	10/5/18	\$ 1,819,000.00	\$ 2,200,000.00
Gallery Acres West HOA (Solon)	FS-52-17-DWSRF-017	Resolve arsenic MCL through connection to another system or construction of new well and treatment	2017	A,E	60	3	43	P	\$ 1,039,000	75%		\$ 1,039,000	
Lacina Meadows HOA	FS-52-17-DWSRF-022	Connecting to the City of Iowa City water supply to supply drinking water	2017	A,E	60	3	58	L	N/A	75%	3/23/18	\$ 939,000.00	\$ 945,000.00
Swea City	FS-55-17-DWSRF-023	Replacement of approximately twenty five (25) blocks of undersized, four-inch water main that consist of asbestos cement.	2017	A,B,C,E	55	3	555	P	\$ 1,844,000			\$ 1,844,000	
Truro	FS-61-17-DWSRF-016	Replace all AC water distribution piping, increasing size of water mains being replaced, and modifying the height of the existing EST to improve distribution system pressure.	2017	A,B,E	45	3	485	P	\$ 866,000			\$ 866,000	

Project Name	DWSRF No.	Project Description	IUP Yr	Project Categories	Priority Points	Quarter	Population	Project Status	Current Requests	Loan Forgiveness	Date Loan Signed	Original Request	Loan Amount
Sheffield	FS-35-17-DWSRF-024	Watermain replacement of older undersized watermain within the drinking water distribution system with new 6" or 8" watermain	2017	B,C,E	40	3	1172	L	N/A		3/30/18	\$ 1,570,000.00	\$ 1,200,000.00
Jewell	FS-40-17-DWSRF-015	Replace current filtering system to remove the ammonia, arsenic, and hardness in the water	2017	B,E	25	3	1215	L	N/A		12/22/17	\$ 1,847,766.00	\$ 1,711,000.00
Farley	FS-31-17-DWSRF-008	An HMO treatment system is proposed to remove radium from the raw well	2017	A,B,E	70	2	1537	L	N/A		8/24/18	\$ 2,311,000.00	\$ 2,304,000.00
Janesville	FS-09-17-DWSRF-009	Install new water main that connects the western portion of Janesville to the eastern portion.	2017	B,E	30	2	930	L	N/A		9/8/17	\$ 1,015,000.00	\$ 708,000.00
Lyon & Sioux Rural Water	FS-60-17-DWSRF-011	Installation of permanent emergency generators for the Klondike WTP & Larchwood WTP to treat and pump water to the distribution system during power outages	2017	B,E	25	2	1390	P	\$ 131,000	75% of cost of generator equipment and installation		\$ 131,000	
Washington	FS-92-17-DWSRF-007	Construct new treatment plant modifications	2017	B,E	25	2	7266	L	N/A		1/19/18	\$ 3,977,790.00	\$ 4,378,000.00
Sioux City (Western Hills/Indian Hills)	FS-97-17-DWSRF-012	Construction of a new water tank and a large capacity water main	2017	B	20	2	82759	L	N/A		7/12/19	\$ 8,000,000.00	\$ 6,507,000
Rathbun Regional Water (RRWA)	FS-04-17-DWSRF-010	Replacement of aging water meters with a new advanced/smart metering system.	2017	C,D	15	2	28215	R	\$ 2,902,945	30% of cost of water meter equipment and installation		\$ 2,902,945	
Sioux City (Zenith Water Treatment Plant)	FS-97-17-DWSRF-013	Add standby generator to Riverside Collector and improvements to the chemical feed systems	2017	B	15	2	82759	P	\$ 1,797,267			\$ 1,797,267	
Amana Society Service Company	FS-48-17-DWSRF-001	Replace with 250,000 gallon new elevated water storage and construct booster station. New 8-inch main is also proposed	2017	A,B,E	95	1	1224	L	\$ 1,700,000	75%	4/6/18	\$ 7,100,000.00	\$ 5,400,000.00
Oelwein	FS-33-17-DWSRF-004	Rehabilitation of existing well, new well house, chlorine feed system, emergency generator	2017	B,C,E	55	1	6415	L	N/A	75% of cost of generator equipment and installation	4/13/18	\$ 1,033,000.00	\$ 1,462,000.00
Kelley	FS-85-17-DWSRF-005	Connection to Xenia Rural Water System, disconnection of well, water tower rehabilitation	2017	B,E	45	1	310	L	N/A		8/4/17	\$ 552,000.00	\$ 650,000.00
Osceola County Rural Water System	FS-71-17-DWSRF-003	New treatment plant to remove iron and manganese, generator, ground storage reservoir, well buildings	2017	B,E	40	1	754	L	N/A	75% of cost of generator equipment and installation	3/30/18	\$ 6,643,000.00	\$ 3,719,000.00
Fort Dodge	FS-94-17-DWSRF-006	Upgrade of all water meters and addition of automatic reading system	2017	B	20	1	25,206	L	N/A	30% of cost of water meter equipment and installation	10/13/17	\$ 4,347,000.00	\$ 3,413,000.00
Amana Society Service Company	PD-DW-16-48	Solutions to pressure problems and well replacement	2016	G	P&D	4	1224	L	N/A		2/2/18	\$ 1,150,000.00	\$ 1,150,000.00

Project Name	DWSRF No.	Project Description	IUP Yr	Project Categories	Priority Points	Quarter	Population	Project Status	Current Requests	Loan Forgiveness	Date Loan Signed	Original Request	Loan Amount
Anamosa	FS-53-16-DWSRF-019	Plant Expansion	2016	B,C,E	50	4	4283	L	N/A		12/8/17	\$ 1,660,000.00	\$ 1,801,000.00
West Des Moines	FS-77-16-DWSRF-022 (2)	Construction of 1 Jordan aquifer and 2 shallow alluvial aquifer wells to provide redundancy of source water supply	2016	B	35	4	56609	R	\$ 1,891,000			\$ 1,891,000	
Mahaska RWS	FS-62-16-DWSRF-017	Construction of 7,400 I.F. of 8" transmission main along with related valves, booster pump and connections. Water treatment plant improvements and 1,500 I.F. of 6" water main	2016	B,E	30	4	1293	L	N/A		8/10/18	\$ 1,319,050.00	\$ 817,000.00
Fenton	FS-55-16-DWSRF-012	Install new water tower	2016	B,C,E	55	3	281	L	N/A		11/17/17	\$ 392,000.00	\$ 518,000.00
Westgate	FS-33-16-DWSRF-015	Construct a new water tower	2016	B,E	45	3	211	P	\$ 568,000			\$ 568,000	
Cushing	FS-97-16-DWSRF-013	Construction of a new 55,000 gallon standpipe for water storage, water meters, emergency generator	2016	B,E	30	3	220	L	N/A	30% of cost of water meter equipment and installation, 75% of cost of generator equipment and installation	10/5/18	\$ 844,000.00	\$ 890,000.00
Farmington	FS-89-16-DWSRF-006	Replace old cast iron water main and underground storage tank with above ground tank	2016	B,C,E	40	2	664	P	\$ 312,000			\$ 312,000	
Keswick	FS-54-16-DWSRF-009	Replacement of all remaining cast iron main, add system looping and add new flushing hydrants, new isolation valves and service connections.	2016	B,C,E	40	2	246	L	N/A		3/30/18	\$ 421,497.00	\$ 421,000.00
Ridgeway	FS-96-16-DWSRF-007	Water main replacement project, generator	2016	B,C,E	40	2	315	L	N/A		9/28/18	\$ 380,000.00	\$ 388,000.00
Dakota City	FS-46-15-DWSRF-020	Construct a 2nd well	2015	B,C,E	55	4	843	L	N/A		6/29/18	\$ 708,525.00	\$ 250,000.00
Van Meter	FS-25-15-DWSRF-020	New Water Treatment Plant	2015	B,E	45	4	1054	P	\$ 4,608,000			\$ 4,608,000	
Guthrie Center	FS-39-15-DWSRF-017	Water main replacement and new water service connection	2015	B,C,E	40	4	1569	R	\$ 518,660			\$ 518,660	
Sabula	FS-49-15-DWSRF-019	Water main replacement on Broad street, water meters	2015	B,C,E	40	4	576	L	N/A	30% of cost of water meter equipment and installation	1/5/18	\$ 787,920.00	\$ 550,000.00
Sioux Rapids (revised)	FS-11-15-DWSRF-015	New well, new water treatment plant for nitrate removal and iron/manganese removal, replace booster pumps, piping, and controls	2015	B,E	45	3	775	L	N/A		10/27/17	\$ 1,269,000.00	\$ 1,502,000.00
Mt Ayr (Revised)	FS-80-15-DWSRF-013	Water main replacement and water plant demolition	2015	B,C,E	40	3	1691	L	N/A		11/2/18	\$ 4,100,000.00	\$ 4,100,000.00
Ruthven	FS-74-15-DWSRF-006	New well to replace Well #1, aeralator rehab, control panel replacement, water main replacement to improve pressure and add new valves and hydrants	2015	B,C,E	55	2	779	P	\$ 1,316,550			\$ 1,316,550	
Little Sioux	FS-43-15-DWSRF-010 (2)	Water distribution system improvements	2015	B,C,E	40	2	170	R	\$ 84,000			\$ 84,000	

Project Name	DWSRF No.	Project Description	IUP Yr	Project Categories	Priority Points	Quarter	Population	Project Status	Current Requests	Loan Forgiveness	Date Loan Signed	Original Request	Loan Amount
Asbury	FS-31-15-DWSRF-001 G	Constructing water main looping, installing new well and elevated storage tank	2015	B,E	45	1	4545	L	N/A		9/8/17	\$ 1,807,000.00	\$ 1,807,000.00
Asbury	FS-31-15-DWSRF-001 R	Constructing water main looping, installing new well and elevated storage tank	2015	B,E	45	1	4545	L	N/A		9/8/17	\$ 1,200,000.00	\$ 1,200,000.00
Ida Grove	FS-47-14-DWSRF-008	Add new permanent well	2014	B,E	45	3	2158	P	\$ 339,017			\$ 339,017	
De Soto	FS-25-14-DWSRF-011	New water treatment facility	2014	B,E	25	3	1050	R	\$ 4,020,000			\$ 4,020,000	
Stanwood	FS-16-13-DWSRF-021	Construction of approx 2700 lineal feet of new 6 inch PVC pipe, including new valves, hydrants.	2013	B,C,E	40	4	684	R	\$ 786,841			\$ 786,841	
Shenandoah	FS-73-12-DWSRF-020	Water meter replacement	2012	B,C,D,E	45	4	5546	R	\$ 80,800	20%		\$ 80,800	
Cedar Falls Utilities	FS-07-12-DWSRF-028	Water main extension to connect homes with nitrate contaminated private wells	2012	A	35	4	39260	P	\$ 1,380,670	75%		\$ 1,380,670	
Mt Ayr (supplemental)	FS-80-12-DWSRF-014 (2)	Movement of prefabricated booster pump station to new location to improve pressures	2012	B,E	20	4	1691	L	N/A		7/20/18	\$ 275,000.00	\$ 275,000.00
Albia	FS-68-12-DWSRF-008	Water main replacement	2012	B,C,E	40	2	3706	P	\$ 350,000			\$ 350,000	
									\$ 127,086,412			\$ 299,707,480.50	\$ 116,180,900.00
Project Status	Project Type			Abbreviations									
Dropped -- D	A = Water Quality and Human Health Risk-Related Criteria			N/A = Not Applicable									
Ready for Loan -- R	B = Infrastructure and Engineering-Related Improvement			Not used = No loan forgiveness assistance utilized for project									
Loan Signed -- L	C = Affordability Criteria			TBD = To Be Determined									
Planning Stage -- P	D = Special Category Improvements												
	E = Project Serves Population less than 10,000												
Water and Energy Efficiency	F = Supplemental Loan for Previously Approved Project												
Emergency Generators	G = Planning and Design Loan												
Disadvantaged Communities													
Public Health Projects													

Project Name	NPDES No.	Project Number	CWSRF No.	Project Description	IUP Yr	Needs Category	Priority Points	Quarter	Project Status	Current Requests	Loan Forgiveness	Date Loan Signed	Original Request	Loan Amount
Elk Run Heights	0721001	N/A	PD-CW-20-17	Construction of an Aero-Mod Activated Sludge Treatment Plant	2020	P&D	P&D	2	R	\$ 352,000			\$ 352,000	
Elliott	7825001	N/A	PD-CW-20-18	Address I&I and SSO issues within the collection system	2020	P&D	P&D	2	R	\$ 225,000			\$ 225,000	
McGregor	2258000	N/A	PD-CW-20-16	Sewer main & manhole replacement	2020	P&D	P&D	2	R	\$ 144,000			\$ 144,000	
Miles	49503001	N/A	PD-CW-20-15	Construction of new wastewater treatment facility	2020	P&D	P&D	2	R	\$ 390,000			\$ 390,000	
Nevada	8562001	N/A	PD-CW-20-20	Construction of new sanitary sewer interceptor and treatment plant	2020	P&D	P&D	2	R	\$ 2,885,000			\$ 2,885,000	
Osceola	2038002	N/A	PD-CW-20-22	Comprehensive facility plan for wastewater treatment plant improvements	2020	P&D	P&D	2	R	\$ 495,000			\$ 495,000	
Pella	6368006	N/A	PD-CW-20-14	Wastewater System Improvements	2020	P&D	P&D	2	R	\$ 370,000			\$ 370,000	
Raymond	0721001	N/A	PD-CW-20-19	Design and bidding for construction of an Aero-Mod Activated Sludge Treatment Plant	2020	P&D	P&D	2	R	\$ 352,000			\$ 352,000	
Melcher-Dallas	6352001	2018-0333a	1920940 01	Wastewater Treatment Facility Improvements	2020	I, II	282	2	P	\$ 2,477,000			\$ 2,477,000	
Runnels	7774001	S2017-0330A	1920943 01	Wastewater Treatment Facility Expansion	2020	I, II	282	2	P	\$ 1,889,000			\$ 1,889,000	
Rockwell City	1376001	W2018-0350	1920932 01	Water Reclamation Facility Rehabilitation	2020	I, II	267	2	P	\$ 8,240,000			\$ 8,240,000	
Dysart	862700	W2018-0132A	1920936 01	Sewage Treatment Plant Improvements	2020	I, II	264	2	P	\$ 4,158,690			\$ 4,158,690	
Mechanicsville	1667001	W2017-0296A	1920937 01	WWTP improvements to address e. coli and ammonia removal requirements	2020	I, II	264	2	P	\$ 3,176,000			\$ 3,176,000	
Des Moines	7727001	S2019-0198A	1920944 01	West Ingersoll Run Sewere Separation	2020	V	205	2	P	\$ 19,139,699			\$ 19,139,699	
Des Moines WRF	7727001	2019-0363A	1920934 01	Ingersoll Sewer Separation	2020	III-B	170	2	P	\$ 43,441,125			\$ 43,441,125	
Waterloo (Wastewater Treatment Plant Biosolids Modifications)	0790001	2017-0342A	1920941 01	Wastewater Treatment Plant Biosolids Modifications	2020	I	170	2	P	\$ 16,341,000			\$ 16,341,000	
Pierson	9766002	2019-0290	1920933 01	Fourth Street Sewer Replacement	2020	III-A	142	2	P	\$ 493,000			\$ 493,000	
Rembrandt	1170001	2019-0282A	cs1920938 01	Cured in-place pipe will line existing sewer main and reduce infiltration and inflow	2020	III-A	142	2	P	\$ 268,000			\$ 268,000	
Waterloo (Titus Lift Station and Force Main)	0790001	2019-0352A	1920935 01	New Titus lift station and force main	2020	IV-A	140	2	P	\$ 5,170,000			\$ 5,170,000	
Tipton	1689001	2019-0415A	1920939 01	Sewer Rehabilitation Phase 1 - NW Area	2020	III-A	127	2	P	\$ 419,000			\$ 419,000	
Solon	5282001	2019-0293A	1920942 01	North Trunk Sewer	2020	IV-B	119	2	P	\$ 1,247,000			\$ 1,247,000	
Eagle Grove	9923001	N/A	PD-CW-20-13	Sewer System Improvements Planning	2020	P&D	P&D	1	L	N/A		7/12/2019	\$ 150,000	\$ 150,000
Grimes	7736001	N/A	PD-CW-20-05	Plan for sanitary sewer construction	2020	P&D	P&D	1	L	N/A		6/21/19	\$ 475,000	\$ 515,000
Lake Park	3045001	N/A	PD-CW-20-08	WWTP Improvements Planning	2020	P&D	P&D	1	L	\$ 440,000			\$ 440,000	
Maquoketa	4950001	N/A	PD-CW-20-07	Nutrient Reduction Improvements	2020	P&D	P&D	1	P	\$ 308,000			\$ 308,000	

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Mediapolis	2948001	N/A	PD-CW-20-03	Planning for pipeline replacement and manhole installation	2020	P&D	P&D	1	L	N/A		6/21/19	\$ 100,000	\$ 100,000
Park View	8200902	N/A	PD-CW-20-06	Wastewater System Improvements	2020	P&D	P&D	1	L	N/A			\$ 310,000	\$ 310,000
Peterson	2154002	N/A	PD-CW-20-12	WWTP Improvements	2020	P&D	P&D	1	L	N/A		6/21/19	\$ 116,000	\$ 116,000
Rockwell City	1376001	W2018-0350	PD-CS-20-09	Planning construction of new WWTP	2020	P&D	P&D	1	P	\$ 677,500			\$ 677,500	
Saint Olaf	2277002	N/A	PD-CW-20-04	Wastewater system improvements	2020	P&D	P&D	1	L	N/A		6/21/19	\$ 35,000	\$ 35,000
Wellsburg	3890001	N/A	PD-CW-20-02	Wastewater System Improvements	2020	P&D	P&D	1	L	N/A		6/28/2019	\$ 140,000	\$ 140,000
Bettendorf	N/A	N/A	GNS20-02	FMA Property Acquisition to mitigate flood damage and water pollution	2020	VII-K	GNS	1	P	\$ 2,100,886			\$ 2,100,886	
Johnston	N/A	N/A	GNS-20-01	Saylorville Sediment and Erosion Reduction	2020	VII-K	GNS	1	P	\$ 400,000			\$ 400,000	
Indianola	9133001	S2015-0386	1920927 01	WWTP Replacement	2020	I, II	295	1	P	\$ 39,145,000			\$ 39,145,000	
Park View	8200902	S2018-0348	1920925 01	Wastewater System Improvements	2020	II	245	1	P	\$ 5,558,000			\$ 5,558,000	
Saint Olaf	2277002	S2018-0159	1920926 01	Wastewater system improvements	2020	II	240	1	P	\$ 250,000			\$ 250,000	
Fontanelle	0135001	S2019-0094	1920922 01	Wastewater System Improvements	2020	II	237	1	P	\$ 2,520,000			\$ 2,520,000	
Bloomfield	2613001	S2019-0054	1920921 01	Wastewater system improvements for compliance.	2020	II	235	1	P	\$ 8,620,000			\$ 8,620,000	
Tipton	1689001, 1689002	S2017-0094	1920928 01	Wastewater Treatment Plan Improvements 2016	2020	II	232	1	P	\$ 5,648,000			\$ 5,648,000	
Glidden	1438001	2016-0396	1920929 01	Wastewater Treatment Plant Improvements	2020	II	224	1	P	\$ 3,980,000			\$ 3,980,000	
Wellsburg	3890001	S2014-0285	1920923 01	Wastewater System Improvements	2020	II	224	1	P	\$ 1,739,000			\$ 1,739,000	
Guttenberg	2242001	S2019-0196	1920924 01	Inflow & Infiltration Improvements	2020	V	172	1	P	\$ 517,000			\$ 517,000	
Grundy Center	3833001	2019-0287	1920930 01	2019 Sanitary Sewer Improvements	2020	III-A	145	1	P	\$ 2,407,000			\$ 2,407,000	
Evansdale	0723001	N/A	PD-CW-19-53	WWTP Improvements	2019	P&D	P&D	4	L	N/A		4/5/19	\$ 550,000	\$ 550,000
Fontanelle	0135001	N/A	PD-CW-19-54	Wastewater Treatment Facility Improvements	2019	P&D	P&D	4	L	N/A		3/29/19	\$ 267,500	\$ 267,500
Ladora	0058521	N/A	PD-CW-19-55	New Lift Station and wastewater treatment facility improvements	2019	P&D	P&D	4	L	N/A		4/26/19	\$ 111,000	\$ 111,000
North English	4858001	N/A	PD-CW-19-57	Rehabilitation of Sanitary Sewer Collection and replacement of Wastewater Treatment Facilities	2019	P&D	P&D	4	L	N/A		3/22/19	\$ 400,000	\$ 400,000
Oxford Junction	5361001	N/A	PD-CW-19-48	Sanitary Sewer Rehabilitation	2019	P&D	P&D	4	L	N/A		3/29/19	\$ 100,000	\$ 100,000
Pomeroy	1363001	N/A	PD-CW-19-56	Wastewater System Improvements	2019	P&D	P&D	4	L	N/A		3/29/19	\$ 180,000	\$ 180,000
Preston	4965001	N/A	PD-CW-19-59	Add Nitrox MBBR to existing lagoons and disinfection	2019	P&D	P&D	4	P	\$ 155,000			\$ 155,000	
Underwood	7869001	N/A	PD-CW-19-47	Pumping Station upgrades to two existing stations	2019	P&D	P&D	4	P	\$ 65,000			\$ 65,000	
Waverly	0990001	N/A	PD-CW-19-50	Nutrient Reduction Improvements	2019	P&D	P&D	4	P	\$ 780,000			\$ 780,000	
Anita	1503001	N/A	PD-CW-19-49	Upgrade to influent lift station, pumps and replacement of aerated lagoon blowers/diffusers	2019	P&D	N/A	4	L	N/A		4/26/19	\$ 520,000	\$ 520,000

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Bloomfield	2613001	N/A	PD-CW-19-52	Wastewater Treatment Facility Improvements	2019	P&D	N/A	4	P	\$ 381,100			\$ 381,100	
Conrad	3809001	N/A	PD-CW-19-51	Construction of UV Disinfection	2019	P&D	N/A	4	L	N/A		3/22/19	\$ 70,000	\$ 70,000
Mt Pleasant	4453001	S2015-0081	1920919 01	abandon lagoon and pump to main plant. Eliminates a discharge. Add nutrient removal to existing plant and UV disinfection.	2019	I, II & IV-B	324	4	P	\$ 4,020,000			\$ 4,020,000	
Pella	6368006	S2017-0215	1920918 01	Rehab existing WWTP and 3 pump stations, add capacity to WWTP	2019	I, II & IV-B	305	4	P	\$ 5,769,000			\$ 5,769,000	
Columbus Junction	5815001	S2016-0171	1920913 01	UV disinfection and change outfall location to meet limits in compliance schedule	2019	II	270	4	P	\$ 302,000			\$ 302,000	
Peosta	3150000	S2016-0180	1920912 01	New mechanical plant, activated sludge, nutrient removal, disinfection, sludge handling	2019	I & II	264	4	P	\$ 8,184,000			\$ 8,184,000	
Ladora	4840001	S2017-0239	1920911 01	New pumping station, disinfection for the WWTP, and aeration system replacement	2019	II & IV-B	244	4	P	\$ 1,051,000			\$ 1,051,000	
Preston	4965001	S2018-0180	1920910 01	Add Nitrox MBBR to existing lagoons and disinfection	2019	II	224	4	P	\$ 1,427,000			\$ 1,427,000	
Wastewater Reclamation Authority	7727001	S2019-0006	1920914 01	Primary and Final Clarifier rotating mechanism replacements	2019	I	180	4	P	\$ 30,486,675			\$ 30,486,675	
Fayette	3342001	S2016-0375	1920812 02	Sewer Spot Repairs for CIPP project-Supplemental Loan	2019	IIIA	154	4	R	\$ 130,000			\$ 130,000	
Spencer	2171004	S2014-0044	1920920 01	rehab clarifer, add another final clarifier	2019	I	149	4	P	\$ 2,960,000			\$ 2,960,000	
Sumner	0970001	S2019-0180	1920916 01	Sewer relocation and new pumping station	2019	III-B & IV-B	149	4	P	\$ 296,000			\$ 296,000	
Mitchellville	7751001	S2018-0295	1920915 01	Replace existing pumping station in collection system	2019	IV-B	137	4	P	\$ 1,603,000			\$ 1,603,000	
Underwood	7869001	S2013-0176B	1920917 01	Pumping Station upgrades to two existing stations	2019	IV-B	132	4	P	\$ 930,000			\$ 930,000	
Adel	2503001	N/A	PD-CW-19-39	Construction of new wastewater treatment facility	2019	P&D	P&D	3	L	N/A		12/28/18	\$ 1,200,000	\$ 1,200,000
Brighton	9209001	N/A	PD-CS-19-36	Install a new SAGR system	2019	P&D	P&D	3	L	N/A		12/21/18	\$ 426,000	\$ 426,000
Ely	5728001	N/A	PD-CW-19-35	Extend Sanitary Sewer	2019	P&D	P&D	3	L	N/A		11/30/2018	\$ 160,100	\$ 160,100
Essex	7349001	N/A	PD-CW-19-31	Wastewater system and sewer mains	2019	P&D	P&D	3	P	\$ 85,000			\$ 85,000	
Fort Dodge	9433003	N/A	PD-CW-19-32	Sanitary Sewer Rehabilitation Phase 2	2019	P&D	P&D	3	L	N/A		12/28/18	\$ 1,250,000	\$ 1,250,000

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Goodell	4135001	N/A	PD-CW-19-33	New wastewater collection and treatment system	2019	P&D	P&D	3	L	N/A		2/8/2019	\$ 163,425	\$ 163,425
Perry	2561001	N/A	PD-CW-19-38	Wastewater Facility Plant Upgrade	2019	P&D	P&D	3	L	N/A		12/21/18	\$ 870,000	\$ 870,000
Rembrandt	1170001	N/A	PD-CW-19-37	relining sewer lines or putting in a lagoon or another cell	2019	P&D	P&D	3	L	N/A		4/19/19	\$ 70,000	\$ 70,000
Tipton	1689001	N/A	PD-CW-19-34	Wastewater Treatment Improvements	2019	P&D	P&D	3	L	N/A		12/21/18	\$ 435,000	\$ 435,000
Davenport	8222003	S2018-0145	1920896 01	UV Disinfection	2019	II	260	3	P	\$ 8,490,000			\$ 8,490,000	
Cambridge	8509001	S2016-0380	1920902 01	New diffuser to meet ammonia limits and UV disinfection	2019	II	255	3	P	\$ 633,000			\$ 633,000	
Maxwell	8557001	S2017-0135	1920901 01	Lemna system and UV disinfection	2019	II	250	3	P	\$ 3,009,000			\$ 3,009,000	
Eldon	9053001	S2016-0240A	1920903 01	CIPP lining for I&I	2019	IIIA	235	3	P	\$ 1,005,000			\$ 1,005,000	
Tripoli	0975001	S2017-0155	1920900 01	New discharge to Wapsi River, UV disinfection, new raw wastewater pumps	2019	II	232	3	P	\$ 2,010,000			\$ 2,010,000	
Bayard	3907001	S2017-0231	1920909 01	Construction of new 3 Cell controlled discharge lagoon system	2019	II	229	3	P	\$ 2,673,000			\$ 2,673,000	
Dallas Center	2520001	S2016-0399	1920905 01	SAGR and UV disinfection	2019	II	227	3	P	\$ 3,025,000			\$ 3,025,000	
Schleswig	2446001	S2017-0450	1920899 01	New lift station, lemna syste, UV disinfectin, new outfall, and emergency generator	2019	II	224	3	P	\$ 3,748,000			\$ 3,748,000	
Everly	2115001	S0217-0336	1920906 01	Increase pump station capacity and convert CDL to an aerated lagoon	2019	I	215	3	R	\$ 2,725,000			\$ 2,725,000	
Wapello	5879001	S2018-0317	1920907 01	Disconnect Combined Sewers	2019	V	195	3	P	\$ 342,626			\$ 342,626	
Fort Dodge	9433003	S2015-0080	1920908 01	Sanitary Sewer Rehabilitation Phase 2	2019	IIIA, IIIB	190	3	P	\$ 15,533,999			\$ 15,533,999	
Hawarden	8434001	S2018-0375	1920897 01	Rehab activated sludge/digester aeration system, backup power, clarifier improvements	2019	I	170	3	P	\$ 3,179,000			\$ 3,179,000	

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Hubbard	425000	S2017-0079	1920898 01	CIPP lining for I&I, manhole repair	2019	IIIA	134	3	P	\$ 900,000			\$ 624,000	
Mediapolis	2948001	S2015-0002	1920904 01	CIPP lining for I&I repair	2019	IIIA	129	3	R	\$ 1,312,000			\$ 1,312,000	
Albia	6803001	N/A	PD-CW-19-28	Improvements to North & West Wastewater Treatment Facility	2019	II	P&D	2	L	N/A		12/14/18	\$ 790,000	790-000
Cambridge	8509001	N/A	PD-CW-19-22	Construction of new effluent diffuser at South Skunk River and new UV disinfection system	2019	P&D	P&D	2	L	N/A		10/19/18	\$ 200,000	\$ 200,000
Farnhamville	1320001	N/A	PD-CW-19-27	Wastewater System Improvements	2019	II	P&D	2	L	N/A		10/26/18	\$ 38,000	\$ 38,000
Hubbard	4254001	N/A	PD-CW-19-23	Sanitary Sewer Improvements	2019	P&D	P&D	2	L	N/A		10/26/18	\$ 200,000	\$ 200,000
Ida Grove	4728001	N/A	PD-CW-19-20	Wastewater Treatment Facility Improvements	2019	II	P&D	2	L	N/A		9/28/18	\$ 480,000	\$ 480,000
Lewis	1535001	N/A	PD-CW-19-25	Sanitary Sewer Improvements and construction of new cell at wastewater treatment lagoon	2019	P&D	P&D	2	L	N/A		10/26/18	\$ 225,000	\$ 225,000
Ottumwa	9083001	N/A	PD-CW-19-29	Construction of new separate sanitary sewer throughout Blake's Branch Basin	2019	P&D	P&D	2	P	\$ 3,900,000			\$ 3,900,000	
Peosta	3150000	N/A	PD-CW-19-26	Construction of new wastewater treatment facility	2019	P&D	P&D	2	L	N/A		10/12/18	\$ 1,105,500	\$ 1,105,500
Traer	8681001	N/A	PD-CW-19-19	Wastewater Treatment Facility Improvements	2019	II	P&D	2	L	N/A		11/30/18	\$ 500,000	\$ 500,000
Winterset	6171001	N/A	PD-CW-19-24	Replacement of North Pump Station	2019	P&D	P&D	2	L	N/A		9/28/18	\$ 105,000	\$ 105,000
Blairstown	0607001	S2017-0311	1920889 01	Aerated Lagoon with Disinfection	2019	I, II	282	2	P	\$ 1,173,000			\$ 1,173,000	
Lake Mills	9545001	S2017-0385	1920894 01	WWTF Improvements (SAGR)	2019	I, II	277	2	P	\$ 1,799,000			\$ 1,799,000	
DeWitt	2330001	S2018-0262	1920895 01	WWTF Disinfection Improvements	2019	II	224	2	P	\$ 955,000			\$ 955,000	
Waverly	0990001	S2018-0335	1920892 01	WWTP Improvements	2019	IV-B	205	2	P	\$ 9,132,435			\$ 9,132,435	
Waterloo	0790001	S2017-0196	1920893 01	New Interceptor Sewer	2019	IV-B	175	2	P	\$ 5,771,000			\$ 5,771,000	
Winterset	6171001	S2018-0411	1920890 01	North Pump Station Improvements	2019	IV-B	127	2	P	\$ 1,129,000			\$ 1,129,000	
Lone Tree	5240001	N/A	PD-CW-19-06	WWTF Upgrades	2019	P&D	P&D	1	L	N/A		6/22/18	\$ 460,000	\$ 460,000
New Albin	3070001	N/A	PD-CW-19-10	Construction of new AlgaeWheel wastewater treatment plant, including new screening and lift stations	2019	P&D	P&D	1	L	N/A		7/13/18	\$ 175,000	\$ 175,000
Wastewater Reclamation Authority	7727001	N/A	PD-CW-19-07	Sewer Lining	2019	P&D	P&D	1	L	N/A		6/29/18	\$ 2,200,000	\$ 2,200,000
Wastewater Reclamation Authority	7727001	N/A	PD-CW-19-08	WRF Clarifiers	2019	P&D	P&D	1	L	N/A		6/29/18	\$ 585,000	\$ 585,000
Waukon	0398001	N/A	PD-CW-19-11	Construction of new wastewater treatment plant	2019	P&D	P&D	1	L	N/A		6/22/18	\$ 658,000	\$ 658,000
West Union	3383003	N/A	PD-CW-19-12	Construction of new wastewater treatment plant	2019	P&D	P&D	1	L	N/A		6/22/18	\$ 430,000	\$ 430,000

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Winfield	4493001	N/A	PD-CW-19-09	Modification of lagoons, additional treatment process, addition of UV disinfection	2019	P&D	P&D	1	L	N/A		6/29/18	\$ 310,000	\$ 310,000
West Union	3383303	S2017-0426	1920887 01	New WWTP	2019	I, II	295	1	P	\$ 6,561,000			\$ 6,561,000	
Hartford	9128001	S2017-0245	1920877 01	Removal of biosolids from existing lagoons, construction of covered aerated lagoon system with polishing reactor, conversion of existing lagoon into equalization basin, instation of UV disinfection, and addition of emergency generator	2019	I, II	285	1	P	\$ 2,381,000			\$ 2,381,000	
Lone Tree	5240001	S2016-0010	1920883 01	EQ, new WWTP and disinfection	2019	I, II	279	1	P	\$ 5,862,000			\$ 5,862,000	
Osceola	2038002	S2016-0112	1920878 01	Construction of new activated sludge treatment plant, addition of UV disinfection, cogeneration of power from methane digester	2019	I, II	277	1	R	\$ 25,554,000			\$ 25,554,000	
Auburn	8104076	W2018-0247	1920931 01	Lagoon Facility Improvements	2019	I	245	1	P	\$ 227,000			\$ 227,000	
West Point	5691001	S2017-0004	1920880 01	SAGR treatment system	2019	II	219	1	L	N/A		7/12/19	\$ 1,506,000	\$ 1,885,000
Clinton	2326001	S2018-0233	1920886 01	Part of LTCP. Construction of new pump station and sanitary sewer	2019	V	197	1	P	\$ 7,437,000			\$ 7,437,000	
Waterloo (Sanitary Gatewell Repairs	0790001	S2018-0100	1920884 01	new gate wells and sanitary sewer	2019	III-B	185	1	P	\$ 3,581,000			\$ 3,581,000	
Independence	1037001	S2017-0122	1920881 01	Repairs to buildings, valves, piping, covers. Replacement of pump in pump station, and other WWTP improvements	2019	II	180	1	L	N/A		12/21/18	\$ 1,565,000	\$ 1,565,000
Wastewater Reclamation Authority	7727001	S2018-0315	1920885 01	Trickling filter removal for flood improvements	2019	V	180	1	L	N/A		12/7/18	\$6,767,000	\$ 6,000,000
Davenport	8222003	S2018-0177	1920888 01	I&I work. Replace a leaking interceptor sewer.	2019	IIIA	150	1	P	\$ 9,055,334			\$ 9,055,334	
Waukee (SW Area Trunk Sewer-Phase 2)	2573001	S2018-0083	1920882 01	extend trunk sewer to provide service to SW area of the city	2019	IV-B	145	1	P	\$ 1,690,000			\$ 1,690,000	
Bennett	1603001	N/A	PD-CW-18-43	Wastewater treatment upgrades to comply with bacteria standards	2018	II	P&D	4	L	N/A		3/23/18	\$ 399,000	\$ 399,000
Clarinda	7329001	S2017-0100	PD-CW-18-41	Wastewater treatment facility improvements	2018	II	P&D	4	L	N/A		4/27/18	\$ 920,000	\$ 920,000
Dickinson County	N/A	GNS18-1	PD-CW-18-50	Design stormwater wetland to treat runoff into East Okoboji Lake	2018	VIK	P&D	4	L	N/A		6/8/18	\$ 80,000	\$ 80,000

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Gilbert	8531001	S2010-0025	PD-CW-18-54	Convert existing controlled lagoon system to continuous discharge aerated lagoon system. Supplemental ammonia removal process and UV disinfection will be included	2018	P&D	P&D	4	L	N/A		4/6/18	\$ 292,750	\$ 312,000
Hawkeye	3346001	S1018-0194	PD-CW-18-40	Sewer rehabilitation	2018	IIIA	P&D	4	L	N/A		4/27/18	\$ 50,000	\$ 50,000
Keokuk	5640001	S2018-0212	PD-CW-18-39	Combined sewer separation	2018	V	P&D	4	R	\$ 760,000			\$ 760,000	
Osceola	2038002	S2016-0112	PD-CW-18-38	Wastewater treatment facility improvements	2018	II	P&D	4	L	N/A		3/23/18	\$ 1,220,000	\$ 1,220,000
Sac City	8150001	N/A	PD-CW-18-44	Infiltration and inflow correction in sanitary sewers	2018	IIIA	P&D	4	L	N/A		3/30/18	\$ 195,000	\$ 195,000
Sully	5076001	S2016-0092	PD-CW-18-53	Sewage Treatment Plant Improvements to comply with new permit list.	2018	P&D	P&D	4	P	\$ 105,000			\$ 105,000	
Zwingle	4998001	N/A	PD-CW-18-42	Address permit limits on bacteria and ammonia	2018	II	P&D	4	R	\$ 125,000			\$ 125,000	
Madrid	0848001	S2017-0223	1920879 01	Construction of improvements to wastewater treatment plant to meet new effluent limits, including activated sludge units, equalization basin, and UV disinfection	2018	I, II	290	4	P	\$ 4,951,000			\$ 4,951,000	
Clarinda	32515756	S2017-0100	1920873 01	Major upgrade of aging wastewater treatment facility, including replacement of trickling filters with activated sludge, aerobic digestion, and biosolids storage	2018	I, II	272	4	P	\$ 12,000,000			\$ 12,000,000	
New Albin	0370001	S2013-0348	1920871 01	Construct new wastewater treatment plant to meet effluent limits, replace aging facilities, and provide redundant operation	2018	I, II	264	4	P	\$ 1,860,000			\$ 1,860,000	
Waukon	398001	S2017-0205A	1920875 01	Construct new wastewater treatment plant to address effluent violations and add UV disinfection and nutrient reduction	2018	I, II	264	4	L	\$ 2,525,000		4/19/19	\$ 12,525,000	\$ 10,000,000
Charles City	3405001	S2016-0468	1920876 01	Construct major upgrades to wastewater treatment facility to replace aging equipment and accommodate increases from industrial sources	2018	I, II	245	4	P	\$ 16,484,000			\$ 16,484,000	
Mitchellville	7751001	S2017-0458	1920869 01	Installation of UV disinfection to meet more stringent effluent limits in new NPDES permit	2018	II	242	4	R	\$ 698,475			\$ 698,475	
Sigourney	547002	S2016-0181	1920870 01	Installation of submerged growth activated reactor (SAGR) system after existing aerated lagoons to meet requirement of new NPDES permit	2018	II	224	4	P	\$ 5,070,225			\$ 5,070,225	

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Ely	5728001	S2018-0133	1920865 01	Extend sanitary sewers to areas currently on individual septic systems and increase sewer capacity in other areas	2018	IVA, IVB	184	4	P	\$ 1,779,000			\$ 1,779,000	
Alton	8403001	S2018-0032	1920864 01	Removal of sludge in three-cell lagoon system to reduce chloride, rehabilitation of structures, pipes, and valves	2018	IIIB	172	4	L	N/A		7/6/18	\$ 1,056,000	\$ 1,056,000
Melcher-Dallas	6352001	S2018-0146	1920866 01	Address infiltration and inflow into the City's sanitary sewer system utilizing a variety of rehabilitation techniques	2018	IIIA	172	4	P	\$ 1,272,000			\$ 1,272,000	
Keokuk	5604001	S2018-0212	1920872 01	Next phase of combined sewer separation under Long Term Control Plan - construct outlet to Mississippi River	2018	V	167	4	P	\$ 14,171,000			\$ 14,171,000	
Lynnville	5047001	S2018-0216	1920874 01	Address infiltration and inflow into the City's sanitary sewer system	2018	IIIA	157	4	P	\$ 415,000			\$ 415,000	
Hawkeye	3346001	S2018-0194	1920868 01	Address infiltration and inflow into the City's sanitary sewer system utilizing a variety of rehabilitation techniques	2018	IIIA	114	4	P	\$ 523,000			\$ 523,000	
Ackley	4201001	S2016-0039	PD-CW-18-36	Sanitary sewer relining to address inflow/infiltration which is causing basement backups	2018	IIIA	P&D	3	L	N/A		1/12/18	\$ 155,000	\$ 155,000
Adel	2503001	S2018-0143	PD-CW-18-34	Plan sanitary sewer collection system improvements	2018	IIIB	P&D	3	L	N/A		1/5/18	\$ 580,050	\$ 580,050
Dallas Center	2520001	S2016-0399	PD-CW-18-33	Plan upgrade to wastewater treatment system to meet new NPDES permit limits on ammonia and bacteria	2018	II	P&D	3	R	\$ 210,000			\$ 210,000	
DeWitt	2330001	N/A	PD-CW-18-37	Plan upgrade to wastewater treatment system to meet new NPDES permit limits on ammonia and bacteria	2018	II	P&D	3	L	N/A		1/5/18	\$ 88,750	\$ 88,750
Lowden	1656001	W2017-0362	PD-CW-18-35	Replace existing treatment works with three continuous discharge lagoons followed by SAGR and UV disinfection to meet new NPDES effluent limits	2018	I,II	P&D	3	L	N/A		12/29/17	\$ 399,100	\$ 400,000
Schleswig	2446001	W2017-0450	PD-CW-18-32	Plan upgrade to wastewater treatment system to meet new NPDES permit limits on ammonia and bacteria	2018	II	P&D	3	L	N/A		12/29/17	\$ 180,000	\$ 180,000

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Lowden	1656001	S2017-0362	1920862 01	Replace existing treatment works with three continuous discharge lagoons followed by SAGR and UV disinfection to meet new NPDES effluent limits	2018	I,II	274	3	R	\$ 4,282,000			\$ 4,059,000	
Montezuma	7950001	S2016-0051	1920859 01	Convert existing aerated lagoon to enhanced treatment with addition of SAGR and UV disinfection to meet new NPDES effluent limits	2018	I,II	267	3	P	\$ 4,589,936			\$ 4,589,936	
Des Moines	772001 (WRA)	S2018-0068	1920858 01	Combined sewer separation in the King-Irving neighborhood to meet the requirements of the City of Des Moines long-term control plan	2018	V	235	3	P	\$ 15,260,000			\$ 15,260,000	
Waukee (Little Walnut Creek Trunk Sewer-Ph 3)	2573001	S2018-0084	1920861 01	Construct trunk sewer to provide sanitary sewer service to new high school and northwest area of city	2018	IVB	160	3	L	N/A		7/6/18	\$ 3,513,000	\$ 2,948,000
Ackley	4201001	S2016-0039	1920863 01	Sanitary sewer relining to address inflow/infiltration which is causing basement backups	2018	IIIA	142	3	L	N/A		8/31/18	\$ 3,047,000	\$ 3,200,000
Eldon	9053001	S2016-0240A	PD-CW-18-22	Disinfection, sewer rehabilitation	2018	II, IIIB	P&D	2	L	N/A		9/22/2017	\$ 200,000	\$ 200,000
Maxwell	8557001	S2017-0135	PD-CW-18-23	WWTP improvements to address e. coli and ammonia removal requirements	2018	II	P&D	2	R	\$ 38,000			\$ 38,000	
Mechanicsville	1667001	W2017-0296A	PD-CW-18-24	WWTP improvements to address e. coli and ammonia removal requirements	2018	II	P&D	2	R	\$ 320,000			\$ 320,000	
Miles	4953001	S2013-0064	PD-CW-18-25	WWTP upgrade	2018	II	P&D	2	L	N/A		1/26/2018	\$ 154,000	\$ 154,000
Tipton	1689001, 1689002	N/A	PD-CW-18-26	Sanitary sewer rehabilitation	2018	IIIB	P&D	2	R	\$ 500,000			\$ 500,000	
Wayland	4490001	S2017-0271A	PD-CW-18-27	WWTP improvements to address e. coli and ammonia removal requirements, I/I reduction in sanitary sewers	2018	P&D	P&D	2	L	N/A		5/31/2019	\$ 180,000	\$ 180,000
Nora Springs	3423001	S2016-0216A	CS1920857 01	New activated sludge wastewater treatment facility to meet effluent limits	2018	II	295	2	L	N/A		5/31/19	\$ 7,497,000	\$ 7,739,000
Smithland	9783001	S2017-0060	1920856 01	Install UV disinfection to comply with e. coli limits. Implement sewer lining to reduce I/I and increase wastewater treatment efficiency	2018	II, IIIA	285	2	P	\$ 915,000			\$ 915,000	
Wilton	7078801	S2015-0204	1920850 01	Construction of new WWTP to meet new effluent limits, including UV disinfection.	2018	I, II	282	2	L	N/A		6/29/18	\$ 6,211,000	\$ 6,211,000

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Pocahontas	7633001	S2017-0028	1920855 R1	Sanitary sewer lining to decrease I/I; UV disinfection; and other wastewater treatment plant improvements	2018	II, IIIA	254	2	L	N/A		9/28/2018	\$ 2,892,000	\$ 1,364,000
Pocahontas	7633001	S2017-0028	1920855 R2	Sanitary sewer lining to decrease I/I; UV disinfection; and other wastewater treatment plant improvements	2018	II, IIIA	254	2	L	N/A		6/7/2019	\$ 1,528,000	\$ 2,779,000
Mount Vernon	5758001	S2017-0177	1920853 01	Installation of UV disinfection to meet effluent limits; replacement of main lift screw pumps and rehabilitation of clarifier mechanisms	2018	II	250	2	P	\$ 1,766,000			\$ 1,766,000	
Estherville	3218002	S2016-0265	1920849 01	Construction of an activated sludge basin, new blower building, new wastewater and air piping. Abandonment of existing trickling filters. New NPDES permit requires upgrades.	2018	II	237	2	P	\$ 15,926,000			\$ 15,926,000	
Monroe	505001	S2015-0337	1920852 01	Expand lagoon capacity but increasing size of primary cell and adding another secondary cell	2018	I	235	2	L	N/A		5/31/19	\$ 3,552,675	\$ 1,470,000
Monroe	505001	S2015-0337	1920852 01	Expand lagoon capacity but increasing size of primary cell and adding another secondary cell	2018	I	235	2	L	N/A		6/7/19	\$ 2,082,675	\$ 2,400,000
Allerton	9303003	S2015-0086	1920854 01	Sanitary sewer lining and manhole rehabilitation to decrease I/I	2018	IIIA	175	2	P	\$ 271,000			\$ 271,000	
Spencer	2171004	S2016-0203B	1920745 03	Combined sewer separation, Phase II	2018	V	174	2	L	N/A		6/22/18	\$ 2,148,000	\$ 1,508,000
Wright County (Eagle Grove)	9926001	S2015-0355	1920851 01	Finance county share of wastewater treatment system upgrade in Eagle Grove	2018	I, II	174	2	L	N/A		12/1/2017	\$ 4,046,000	\$ 4,046,000
Blairstown	607001	N/A	PD-CW-18-15	Improvements to an aerated lagoon	2018	I	P&D	1	L	N/A		1/26/18	\$ 147,500	\$ 147,500
Glidden	1438001	N/A	PD-CW-18-07	Construction of a new aerated lagoon facility	2018	I	P&D	1	R	\$ 215,000			\$ 215,000	
Madrid	0848001	N/A	PD-CW-18-13	Wastewater Treatment Facility upgrade	2018	II	P&D	1	L	N/A		8/25/17	\$ 460,000	\$ 460,000
Wastewater Reclamation Authority	7727001	N/A	PD-CW-18-14	WRF Phosphorus Recovery Facility project	2018	II	P&D	1	L	N/A		12/15/17	\$1,600,000	\$ 1,600,000
West-High Amana SSD	4880901	N/A	PD-CW-18-12	Improvements to aerated lagoon to comply with e. coli and ammonia standards	2018	II	P&D	1	L	N/A		11/17/17	\$ 85,000	\$ 85,000
Sioux Center	8486002	S2016-0169	1920838 R1/G1/RT1	Construction of a new main lift station, preliminary treatment, activated sludge with biological nutrient removal, UV disinfection, and erated digestion	2018	I, II, IVB	297	1	L	N/A		1/12/18	\$ 28,140,000	\$ 26,742,000
Merrill	7548001	S2015-0366	1920846 01	Wastewater treatment facility improvements	2018	I, II	295	1	L	N/A		6/1/18	\$ 2,514,000	\$ 1,300,000

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Scranton	3759001	S2016-0048	1920847 01	Convert existing aerated lagoon to an enhanced one with the addition of a SAGR system	2018	I, II	290	1	R	\$ 2,137,133			\$ 2,137,133	
Gilbert	8531001	S2010-0025	1920844 01	Convert existing controlled lagoon system to continuous discharge aerated lagoon system. Supplemental ammonia removal process and UV disinfection will be included	2018	I, II	274	1	L	N/A		8/3/2018	\$ 3,819,000	\$ 4,548,000
Eagle Grove	9926001	S2015-0355	1920841 01	Wastewater Treatment System Upgrade	2018	I, II	264	1	L	N/A		12/1/2017	\$ 19,576,000	\$ 28,130,000
Central City	5720001	2017-0057A	1920836 01	WWTP Expansion to include ammonia removal and disinfection. Gravity sewer expanded to allow for removal of lift station	2018	II, IV-A	259	1	L	N/A		1/25/19	\$ 4,069,000	\$ 4,084,000
Burlington	2909001	S2017-0262	1920843 01	Replacement of a new sanitary sewer along the existing combined sewer alignment	2018	V	247	1	L	N/A		7/12/19	\$ 6,197,000	\$ 8,176,000
Roland	8570001	S2016-0050	1920826 01	Convert existing aerated lagoon to enhanced treatment aerated lagoon with the addition of Lemna system to meet new effluent ammonia limits. Addition of UV disinfection.	2018	II	242	1	L	N/A		11/30/2018	\$ 2,886,360	\$ 4,100,000
Sully	5076001	S2016-0092	1920837 01	Sewage Treatment Plant Improvements to comply with new permit limit. Improvements include	2018	II	242	1	L	N/A		4/26/19	\$ 1,065,000	\$ 983,000
Stanwood	1681001	S2017-0085A	1920835 01	Submerged Attached Growth Reactors installation for removal of	2018	II	224	1	P	\$ 2,280,646			\$ 2,280,646	
Tiffin	5288001	S2015-0202	1920842 01	Wastewater Treatment Plant Improvements - Phase 2	2018	I, II	189	1	L	N/A		5/11/18	\$ 6,598,000	\$ 6,754,000
Marshalltown	6469001	S2017-0286	1920840 01	Lamp hole, tee, and manhole replacements with new manholes, along with pipe point repairs	2018	III-A	165	1	P	\$ 3,500,000			\$ 3,500,000	
Lisbon	5748001	S2017-0295	1920839 01	Rehabilitation of existing sanitary sewer collection system to reduce I&I	2018	III-A	155	1	L	N/A		8/17/18	\$ 1,489,000	\$ 658,000
Lisbon	5748001	S2017-0295	1920839 S1	Rehabilitation of existing sanitary sewer collection system to reduce I&I	2018	III-A	155	1	L	N/A		12/7/18	\$ 272,000	\$ 272,000
Oskaloosa	6273001	S2017-0294	1920845 01	Address inflow and infiltration to prevent bypassing through manhole rehabilitation,	2018	IIIA	142	1	L	\$ 4,446,000		5/25/18	\$ 8,268,000	\$ 3,822,000
Oskaloosa	6273001	S2017-0294	1920845 02	Address inflow and infiltration to prevent bypassing through manhole rehabilitation, sewer replacement, and	2018	IIIA	142	1	L	N/A		5/10/19	\$ 3,176,000	\$ 3,176,000
Indianola	9133001	S2017-0298	1920848 01	Morlock Lift Station Sanitary Sewer Improvements	2018	IVA, IVB	129	1	L	N/A		12/1/17	\$ 3,291,375	\$ 3,267,000
Pierson	9766002	N/A	PD-CW-17-42	Inflow/infiltration correction	2017	IIIA	P&D	4	R	\$ 96,000			\$ 96,000	

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Pisgah	4364001	N/A	PD-CW-17-45	Inflow/infiltration correction	2017	IIIA	P&D	4	R	\$ 43,825			\$ 43,825	
Sheldahl	8580001	N/A	PD-CW-17-41	Analysis of treating own wastewater or continuing to pump to Slater	2017	I	P&D	4	R	\$ 20,000			\$ 20,000	
LeGrand	8657001	S2015-0434	1920821 01	Convert existing lagoon to a controlled discharge	2017	I,II	295	4	L	N/A		4/26/19	\$ 2,389,000	\$ 2,089,000
Greenfield	0140001	S2013-0215	1920822 01	Construct a new activated sludge treatment plant at a new site.	2017	I,II	285	4	L	\$ 2,596,000		12/8/17	\$ 6,342,000	\$ 5,193,000
Greenfield	0140001	S2013-0215	1920822 G1	Construct a new activated sludge treatment plant at a new site.	2017	I,II	285	4	L	N/A		7/27/18	\$ 2,596,000	\$ 2,596,000
Winthrop	1093001	S2016-0312	1920827 01	Converting existing aerated lagoon into covered aerated lagoon followed by a submerged fixed film	2017	II	274	4	L	N/A		5/24/19	\$ 2,075,000	\$ 2,632,000
Slater	8580001	S2016-0070	1920820 01	Wastewater Treatment Facility Improvements	2017	I,II	267	4	P	\$ 6,650,000			\$ 6,650,000	
Lake View	8127001	S2015-0174	1920828 01	Construction of a new enhanced aerated lagoon system using LEMNA or SAGR	2017	I,II	264	4	L	N/A	30%	7/20/18	\$ 4,696,000	\$ 6,700,000
New Sharon	6264001	S2015-0384	1920829 01	Improvements to treatment plant including addition of treatment units to allow facility to meet new discharge limits	2017	I,IIIA	242	4	L	N/A		9/28/18	\$ 2,376,000	\$ 2,376,000
Calmar	9615000	S2015-0451	1920823 01	Utilization of a new Submerged Attached Growth Reactor (SAGR) System for their existing aerated lagoon and a new Ultraviolet (UV) disinfection system	2017	II	240	4	L	N/A	30%	5/25/18	\$ 3,501,000	\$ 2,977,000
Klemme	4155001	S2013-0199	1920833 01	Meet effluent limits by constructing an equalization basin, UV disinfection, and a new outfall	2017	II	240	4	L	N/A		7/27/18	\$ 1,206,000	\$ 1,287,000
Creston	8816001	S2015-0383	1920834 01	Repair/replacement of aging infrastructure and addition of disinfection	2017	I, II	232	4	L	N/A		1/18/2019	\$ 3,216,000	\$ 3,216,000
Mediapolis	2948001	S2015-0002	1920832 01	WW Lagoon Improvements - Phase 1 Sewer Rehab	2017	II	174	4	L	N/A		1/5/18	\$ 1,759,000	\$ 1,107,000
Garrison	0625001	S2015-0228	1920830 01	Collection System Rehabilitation	2017	IIIA,IIIB	169	4	L	\$ 300,000		5/25/18	\$ 665,000	\$ 365,000
Garrison	0625001	S2015-0228	1920830 R1	Collection System Rehabilitation	2017	IIIA,IIIB	169	4	L	N/A		8/24/18	\$ 300,000	\$ 182,000
Springville	5782002	S2016-0174	1920824 01	Sanitary sanitary sewer collection system improvements	2017	IIIA,IVB	144	4	L	N/A		5/11/18	\$ 956,000	\$ 956,000
Moville	9753001	S2017-0190	1920825 01	Replacement of a new lift station, sized to account for future growth of the city and increased I/L Two	2017	IVB	122	4	L	N/A		9/22/2017	\$ 875,000	\$ 856,000
Modale	Unknown	N/A	PD-CW-17-30	Lagoon Rehabilitation	2017	I	P&D	3	R	\$ 60,500			\$ 60,500	

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Tipton	Violation Found in IUP	N/A	PD-CW-17-32	Wastewater treatment improvements to meet effluent ammonia, E.coli, and metals requirements in the city's NPDES Permits	2017	II	P&D	3	L	N/A		7/7/17	\$ 300,000	\$ 300,000
Ogden	0858001	S2014-0142	1920816 01	Plant upgraded to meet NPDES Permit	2017	I,II	280	3	L	N/A		3/30/18	\$ 4,809,126	\$ 5,429,000
Eldridge	8230003	S2015-0001	1920818 01	Change lagoons to equalization basins. New Lift Station, force main, gravity sewer, increased SBR treatment capacity at South Slope, addition of disinfection and sludge treatment improvements	2017	I, II, IVB	264	3	L	\$ 8,970,000		7/20/2018	\$ 14,970,000	\$ 6,000,000
Eldridge	8230003	S2015-0001	1920818 G1	Change lagoons to equalization basins. New Lift Station, force main, gravity sewer, increased SBR treatment capacity at South Slope, addition of disinfection and sludge treatment improvements	2017	I, II, IVB	264	3	L	N/A		11/16/2018	\$ 8,970,000	\$ 9,000,000
Corydon	9334004	S2014-0043	1920815 01	Wastewater Treatment Facility Improvements	2017	II	237	3	P	\$ 3,304,000			\$ 3,304,000	
Hubbard	425001	S2017-0079	1920817 01	Sanitary Sewer Construction and Rehabilitation	2017	IIIA	152	3	L	\$ 1,399,000		12/29/17	\$ 2,176,000	\$ 777,000
Moravia	0467008	N/A	PD-CW-17-31	I&I reduction in sewer collection system	2017	IIIA	P&D	2	R	\$ 115,000			\$ 115,000	
Shenandoah	3659001	S2016-0002	1920806 01	3 phase wastewater treatment facility improvements - Phase 1: Solids Treatment & Disposal - Phase 2: Collection System and Wastewater Plant Permit Compliance - Phase 3: Wastewater Treatment Facility Nutrient Reduction Strategy	2017	I,II	290	2	L	N/A		9/8/17	\$ 643,000	\$ 833,000
Allison	1203001	S2014-0095	1920802 01	Wastewater Treatment Facility Improvements	2017	II	260	2	L	N/A		12/1/17	\$ 2,367,268	\$ 2,112,000
Woodward	2576001	S2015-0344	1920814 01	Convert existing aerated lagoon to enhanced treatment aerated lagoon with the addition of a Lemna system. Addition of UV disinfection for new e.coli limits	2017	II	242	2	L	N/A		1/11/19	\$ 5,715,938	\$ 5,716,000
Sioux City	9778001	S2016-0389	1920813 01	Improve various treatment plant equipment to renew initial capacity, improve performance, improve reliability and generate biogas.	2017	I,II	217	2	P	\$ 31,983,398			\$ 31,983,398	
Waterloo (CIPP Phase III)	0790001	S2016-0285	1920811 01	Excavating and repairing pipe using traditional methods. Rehabilitate sanitary sewers and	2017	III-A	185	2	L	\$ 898,000		5/18/18	\$ 2,498,000	\$ 1,600,000

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Waterloo (CIPP Phase III)	0790001	S2016-0285	1920811 02	Excavating and repairing pipe using traditional methods. Rehabilitate sanitary sewers and	2017	III-A	185	2	L	N/A		4/19/19	\$ 898,000	\$ 898,000
Wastewater Reclamation Authority	7727001	S2016-0238	1920805 01	Replace with stacked tray (HeadCell) grit removal technology in the vicinity of existing grit aerated grit chambers.	2017	I	180	2	L	\$ 5,300,000		5/18/18	\$ 9,500,000	\$ 4,200,000
Wastewater Reclamation Authority	7727001	S2016-0238	1920805 02	Replace with stacked tray (HeadCell) grit removal technology in the vicinity of existing grit aerated grit chambers.	2017	I	180	2	L	N/A		12/7/18	\$ 5,300,000	\$ 11,300,000
Waterloo (Instrumentation & Controls Systems)	0790001	S2016-0365A	1920809 01	Upgrade current Programmable Logic Controllers (PLCs). Upgrade current Supervisory Control & Data Acquisition (SCADA) system communication protocol. Add fiber Optic for bringing new systems onto the network	2017	II	180	2	L	N/A		4/19/19	\$ 1,089,000	\$ 1,179,000
Waterloo (Flow Equalization Facility Overflow Connection to Satellite WPCF)	0790001	S2015-0284	1920808 01	Install new gravity line from existing equalization basin to the Satellite Aeration basins. Also include discharge pipe from the Satellite basins to the Easton Aeration Basin	2017	I	170	2	L	\$ 2,077,000		4/19/19	978000	\$ 898,000
Fayette	3342001	S2016-0375	1920812 01	Slip lining approximately 5,320 feet of sanitary sewer main and completing spot repairs at 10 locations through the collection system.	2017	IIIA	154	2	L	N/A		9/28/18	\$ 319,999	\$ 415,000
Waterloo (Dry Run Creek Interceptor)	0790001	S2015-0280	1920807 01	New lift station, force main and gravity sewer are proposed	2017	IV-B	150	2	P	\$ 5,237,055			\$ 4,337,000	
Waukee	2573001	S2016-0413	1920810 01	Upgrade existing lift station and force main	2017	IV-B	119	2	L	N/A		9/1/17	\$ 12,537,000	\$ 12,537,000
Algona	5502001	S2016-0239	PD-CW-17-04	Rehabilitation and reconstruction of the sanitary sewer collection system	2017	IIIB	P&D	1	R	\$ 130,000			\$ 130,000	
Slater	8580001	N/A	PD-CW-17-07	Wastewater treatment plant improvements necessary in order to meet ammonia-nitrogen, dissolved oxygen and E. coli discharge limits.	2017	II	P&D	1	R	\$ 461,000			\$ 461,000	
Des Moines	77277001 (WRA)	S2016-0194	1920795 R1	Near West Side: Construction of some new storm sewer systems, some new sanitary sewer and one pump station. Construction of a regional detention basin to mitigate increase of flooding	2017	IIIA, IIIB, IVA, V, VI	305	1	L	\$ 9,350,000		10/12/18	\$ 18,600,000	\$ 9,250,000

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Des Moines	77277001 (WRA)	S2016-0194	1920795 R2	Near West Side: Construction of some new storm sewer systems, some new sanitary sewer and one pump station. Construction of a regional detention basin to mitigate increase of flooding	2017	IIIA, IIIB, IVA, V, VI	305	1	L	N/A		10/12/18	\$ 9,350,000	\$ 9,250,000
Elkhart	7730001	S2015-0187	1920798 01	Construction of an outfall sewer leading from the existing wastewater treatment plant to the new wastewater treatment facility	2017	I, II, IVB	305	1	L	N/A		6/29/18	\$ 3,865,000	\$ 3,499,000
Elkhart (2nd loan)	7730001	S2015-0187	1920798 02	Construction of an outfall sewer leading from the existing wastewater treatment plant to the new wastewater treatment facility	2017	I, II, IVB	305	1	L	N/A		12/7/18	\$ 1,517,000	\$ 1,350,000
Norway	0656001	S2015-0209	1920794 01	Addition of a secondary treatment that is capable of treating the ammonia-nitrogen. Disinfection facilities will be installed to meet the e.coli effluent limits	2017	I, II	222	1	L	\$ 2,980,000		2/9/18	\$ 3,065,000	\$ 500,000
Norway	0656001	S2015-0209	1920794 01	Addition of a secondary treatment that is capable of treating the ammonia-nitrogen. Disinfection facilities will be installed to meet the e.coli effluent limits	2017	I, II	222	1	L	N/A		7/13/18	\$ 2,980,000	\$ 2,980,000
Algona	5502001	S2016-0239	1920796 01	Renovation project to address I/I related and structural issues in existing sanitary sewer pipes and manholes	2017	IIIA, IIIB,	195	1	L	N/A		8/18/17	\$ 2,396,000	\$ 2,396,000
Wastewater Reclamation Authority	7727001	S2016-0243	1920797 R1	Biogas Conditioning & injection Improvements	2017	II	175	1	L	\$ 2,814,000		12/7/18	\$ 12,814,000	\$ 10,000,000
Wastewater Reclamation Authority	7727001	S2016-0243	1920797 R2	Biogas Conditioning & injection Improvements	2017	II	175	1	L	N/A		12/7/18	\$ 2,814,000	\$ 8,000,000
Emerson	6520001	S2015-0430	1920790 01	Collection System Improvements	2017	IIIA, IVB	159	1	R	\$ 1,023,200			\$ 1,023,200	
Lenox	8748001	S2013-0187	1920799 01	Construction of a submerged attached growth reactor (SAGR) system	2017	II	149	1	L	N/A		11/17/17	\$ 2,261,000	\$ 2,558,000
Oelwein	3353001	S2016-0256	1920793 01	Installation of two new wastewater pumps to increase capacity of existing 20th Street Lift Station. Improvements to	2017	IVB	122	1	L	N/A		4/13/18	\$ 248,000	\$ 338,000
Oelwein	3353001	N/A	PD-CW-16-40	Installation of new sanitary sewer	2016	IVA	P&D	4	R	\$ 33,500			\$ 33,500	
Mt Pleasant	4453001	S2015-0081	1920780 01	Main plant upgrades and sewer system	2016	II	275	4	L	N/A		8/25/2017	\$ 3,518,000	\$ 3,500,000

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Des Moines	7727001 (WRA)	S2016-0196	1920781 R1	Lower Oak Park/Highland Park: Remove storm sewer inlets within the drainage basin that are connected to combined sewer and either	2016	V	240	4	L	\$ 5,967,000		10/12/18	\$ 12,060,000	\$ 6,093,000
Des Moines	7727001 (WRA)	S2016-0196	1920781 R2	Lower Oak Park/Highland Park: Remove storm sewer inlets within the drainage basin that are connected to combined sewer and either	2016	V	240	4	L	N/A		10/12/18	\$ 5,967,000	\$ 6,093,000
Johnston	7727001 (WRA)	S2016-0194	1920782 01	Installation of sanitary sewer in area currently on septic systems, in the East of Merle Hay Neighborhood	2016	IVA, IVB	230	4	L	N/A		5/4/17	\$ 6,076,000	\$ 4,070,000
Johnston	7727001 (WRA)	S2016-0194	1920782 G2	Installation of sanitary sewer in area currently on septic systems, in the East of Merle Hay Neighborhood	2016	IVA, IVB	230	4	L	\$ 4,070,000		4/12/19	\$ 4,070,000	\$ 4,070,000
Brandon	1011001	S2009-0160	1920779 01	Add a UV system (SAGR) to disinfect the effluent and meet the NPDES Permit requirements for E.Coli	2016	II	225	4	P	\$ 1,638,000			\$ 1,638,000	
Reinbeck	3870001	S2015-0175	1920776 01	Construct an UV disinfection system to meet the effluent limits dictated by The Iowa Department of Natural Resources and NPDES Permitting.	2016	II	225	4	L	N/A		11/30/18	\$ 596,000	\$ 792,000
West Union	3383303	S2015-0356	1920791 01	Construction of equalization basin and lift station along with installation of ultraviolet disinfection system.	2016	II	225	4	L	N/A		1/19/18	\$ 888,000	\$ 319,000
Denison	2424001	S2016-0117	1920778 01	Replacement & Rehabilitation of structures and equipment approaching the end of their service lives	2016	II	190	4	L	N/A		7/13/18	\$ 8,653,000	\$ 10,206,000
Ames	8503001	S2016-0071	1920789 01	To improve screening at the WPCF city intends to replace existing channel grinder with a mechanical bar screen	2016	I	170	4	L	N/A		2/16/18	\$ 981,000	\$ 1,001,000
Fort Madison	5625001	S2016-0150	1920786 01	Construction of a new gravity sanitary sewer interceptor along H avenue to capture sanitary sewer flows from the north.	2016	IVB	152	4	L	N/A		8/18/17	\$ 3,250,170	\$ 2,668,000
Dubuque	3126001	S2016-0206	1920792 01	Relocation and reconstruction of sanitary sewer along Kerper Blvd.	2016	IIIB	147	4	L	N/A		3/8/19	\$ 4,308,300	\$ 2,763,000
Ames	8503001	S2013-0327	1920741 02	Address Infiltration and inflow into the City's sanitary sewer system utilizing a variety of rehabilitation techniques.	2016	IIIA	145	4	R	\$ 19,421,625			\$ 19,421,625	
Manning	1457001	S2016-0188	1920785 01	Replace existing sanitary sewer using materials and construction techniques for reduction in I&I	2016	IIIA	142	4	L	N/A		7/6/18	\$ 600,000	\$ 436,000

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Bancroft	5507002	S2014-0136	1920777 01	Increase capacity of existing controlled discharge lagoon. Piping improvements within facility will also be done.	2016	I	139	4	L	N/A		7/13/18	\$ 1,061,682	\$ 1,258,000
Stanwood	1681001	S2016-0154	1920783 01	Removal, replacement and abandonment of gravity sanitary sewer and replace with a sanitary sewer that will reduce I/I in the collection system	2016	IIIA	127	4	R	\$ 276,800			\$ 276,800	
Mapleton	6727001	S2015-0440	PD-CW-16-30	Wastewater Treatment Improvements to comply with ammonia nitrogen limits, maintain TSS limits, and meet new	2016	I	P&D	3	R	\$ 225,000			\$ 225,000	
Fort Atkinson	9641001	S2015-0087	1920770 01	Construct a larger Lagoon that will only discharge once a year. Also includes an ultra violet disinfection system.	2016	I, II	290	3	P	\$ 1,249,000			\$ 1,249,000	
Coralville	5208001	S2014-0388	1920767 01	Improvements to the treatment system include expansion of equalization basin; new headworks; new aeration basins; final clarifiers, and replacement of UV disinfection system.	2016	I, II	250	3	L	N/A		10/12/18	\$ 36,106,000	\$ 36,106,000
Greene	1253001	S2015-0235	1920775 01	Construct a new Submerged Attached Growth Reactor (SAGR) system for existing aerated lagoon and a new UV disinfection system.	2016	II	249	3	L	N/A		12/28/18	\$ 3,670,260	\$ 3,462,000
West Burlington	2985001	S2014-0456	1920766 01	Improvements include additional activated sludge treatment tankage and conversion of existing aerated lagoon cells in to flow equalization basins. New headworks facility and upgrades to existing aged equipment and standby power.	2016	I	214	3	L	N/A		7/21/17	\$ 10,000,000	\$ 10,985,000
St Donatus	4979001	S2011-0308	1920773 01	Relining existing two cell lagoon and construction of lift station	2016	I, IVB	185	3	L	N/A	30%	12/22/17	\$ 398,000	\$ 300,000
St Donatus	4979001	S2011-0308	1920773 R1	Relining existing two cell lagoon and construction of lift station	2016	I, IVB	185	3	L	N/A	30%	1/19/18	\$ 398,000	\$ 542,000
Marathon	1150001	S2015-0402	1920771 01	Construct a 3 cell controlled discharge lagoon to meet the NPDES Permit Limits	2016	I	162	3	P	\$ 1,171,000			\$ 1,171,000	
Davis City	2715001	S2016-0072	1920769 01	Rehabilitation of existing sanitary sewer mains and sanitary sewer manholes. Drainage & erosion improvements at the wastewater facility.	2016	IIIA	100	3	L	N/A		1/19/18	\$ 457,000	\$ 314,000
RUSS(Moar/Powdertown)	Unknown	N/A	PD-CW-16-11	Planning for severe styetm in community of Moar/Powdertown	2016	I,IVA	P&D	2	R	\$ 100,000			\$ 100,000	

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Strawberry Point	2279001	S2015-0213	1920753 01	WWTP Disinfection and Ammonia Removal	2016	II	250	2	L	N/A		11/17/17	\$ 426,000	\$ 322,000
De Soto	2529001	S2014-0066	1920759 G1	Wastewater Treatment Facility Improvements	2016	II	232	2	L	N/A		9/1/17	\$ 1,102,000	\$ 1,102,000
De Soto	2529001	S2014-0066	1920759 R1	Wastewater Treatment Facility Improvements	2016	II	232	2	L	N/A		9/1/17	\$ 1,967,000	\$ 1,967,000
Grinnell	7930001	S2014-0189	1920762 01	Wastewater treatment facility improvements	2016	II	222	2	L	N/A		4/13/18	\$ 10,403,000	\$ 14,300,000
Sanborn	7165001	S2012-0256	1920752 01	Improvements to Wastewater treatment facility as a result of a new NPDES permit and increase loading from and	2016	II	167	2	L	N/A		12/7/18	\$ 9,294,000	\$ 9,000,000
Postville	0375001	S2015-0412	1920756 01	Sanitary Sewer Rehabilitation Phase II	2016	IIIA	155	2	L	N/A		9/7/2018	\$ 1,015,000	\$ 489,000
Harris	7222001	S2015-0358	1920757 G1/1920757 02	Sanitary Sewer Rehabilitation	2016	IIIA	145	2	R	\$ 582,685			\$ 582,685	
Keota	5440001	S2015-0069	1920761 01	Construction of Submerged Attached Growth Reactors and UV system	2016	II	142	2	L	N/A		9/22/17	\$ 3,127,338	\$ 3,128,000
Sabula	4975001	S2015-0208	1920749 01	Collection System Improvements	2016	IIIA	157	1	L	N/A		1/5/18	\$ 389,940	\$ 351,000
Wastewater Reclamation Authority	7727001	S2015-0261	1920750 02 (Phase 27, Segment 1-8)	Eastside Interceptor	2016	IVB	135	1	L	N/A		12/15/17	\$ 28,340,000	\$ 38,000,000
Belle Plaine	0610001	S2012-0141	1920744 01	Wastewater Disposal System Improvements	2015	II,IIIA	259	4	L	N/A		12/22/17	\$ 2,448,180	\$ 3,236,000
Keystone	064001	S2014-0164	1920743 01	WWTF Upgrade	2015	II	247	4	L	N/A		10/13/17	\$ 3,239,919	\$ 2,303,000
Keokuk	5640001	S2015-0088	1920732 01	Sewer Rehabilitation - Phase 1	2015	IIIA	237	4	P	\$ 1,484,700			\$ 1,484,700	
Pleasantville	6377001	S2013-0174	1920737 01	WWTP Improvements	2015	II	229	4	L	N/A		7/7/2017	\$ 4,120,500	\$ 4,544,000
Readlyn	0965001	S2009-0030	1920736 G1	WWTF Improvements	2015	II	207	4	L	N/A		10/6/17	\$ 1,100,000	\$ 868,000
Ames	8503001	S2013-0327	1920741 01	Sanitary Sewer Rehabilitation	2015	IIIA	160	4	L	N/A		10/19/18	\$ 5,700,000	\$ 5,700,000
Granville	8429001	S2015-0163	1920738 01	2015 Sanitary Sewer project	2015	IIIA	152	4	L	N/A		10/20/17	\$ 696,968	\$ 448,000
Hospers	8439001	N/A	PD-CW-15-17	Wastewater treatment plant expansion	2015	II	P&D	3	R	\$ 277,000			\$ 277,000	
Fort Dodge	9433003	S2015-0080	1920728 02	Sanitary Sewer Rehabilitation	2015	IIIA, IIIB	195	3	L	N/A		7/28/17	\$ 10,900,000	\$ 10,900,000
New Hampton	1970001	S2014-0034	1920721 01	Wastewater treatment plant improvements	2015	II	224	2	R	\$ 2,095,750			\$ 2,095,750	
Deloit	2421001	S2013-0234	1920716 01	Lagoon Rehabilitation	2015	I	147	2	L	N/A	30%	9/30/16	\$ 496,634	\$ 516,000
Blencoe	6709001	S2014-0409	1920720 01	Main Lift Station Improvements	2015	IIIB	142	2	L	N/A		10/12/18	\$ 179,694	\$ 236,000
Wastewater Reclamation Authority (supplemental)	7727001	S2009-0219	1920457 05 (Phase 17, multiple phases)	New Main Outfall, supplemental loan to finalize costs	2015	IVB	160	1	R	\$ 3,000,000			\$ 3,000,000	
Wastewater Reclamation Authority (supplemental)	7727001	S2009-0219	1920499 02 (Phase 17, Segment 7)	New Main Outfall, Phase 17 Segment 7 final costs	2015	IVB	160	1	R	\$ 10,400,000			\$ 10,400,000	

Project Name	NPDES No.	Project Number	CWSRF No.	Project Description	IUP Yr	Needs Category	Priority Points	Quarter	Project Status	Current Requests	Loan Forgiveness	Date Loan Signed	Original Request	Loan Amount
Chariton	5903001	S2014-0106A	PD-CW-14-36	Increase capacity of 12th St Lift Station and replace NW Lift Station with new structures and equipment.	2014	IVB	P&D	4	R	\$ 137,900			\$ 137,900	
Coralville	5208001	N/A	PD-CW-14-31	Replace manholes, reconstruct sewer lines at Oakdale trunk sewer and replace lift station and force main for Muddy Creek	2014	IIIB	P&D	3	R	\$ 270,263			\$ 270,263	
Miles	4953001	S2013-0064	1920688 01	Construction of controlled discharge lagoon	2014	I	227	3	P	\$ 1,932,000			\$ 1,932,000	
Ames	8503001	S2013-0326	1920686 01	WPCF Biosolids Storage Tank	2014	II	180	3	R	\$ 1,885,400			\$ 1,885,400	
Dyersville	3130001	S2013-0342	1920690 01	SE Lift Station & Collection System Improvements	2014	IVB	127	3	P	\$ 1,476,620			\$ 1,476,620	
Martensdale	9147001	S2013-0292	1920682 01	Sewer rehabilitation	2014	IIIB	150	2	P	\$ 833,800			\$ 833,800	
Patterson	6151001	S2011-0078	1920659 01	Upgrade pump station capacity, reduce inflow/infiltration, install new force main with goal of reducing sewer backups	2013	IIIB	165	3	R	\$ 54,540			\$ 54,540	
Marengo	4843001	S2013-0052	1920661 01	Infiltration/inflow correction to address permit violations at treatment facility	2013	IIIA	162	3	R	\$ 883,000			\$ 883,000	
Mt Pleasant	4453001	S2012-0407	1920665 01	Replacement of remaining portions of Snipe Run Interceptor to transfer flows to new wastewater treatment facility	2013	IIIB	125	3	L	N/A		8/25/2017	\$ 1,600,000	\$ 1,600,000
Dakota City	4622001	N/A	PD-CW-13-15	Infiltration/inflow correction through sewer relining	2013	IIIA	P&D	2	R	\$ 85,000			\$ 85,000	
Hamburg	3621001	N/A	PD-CW-12-29		2012	II	P&D	4	R	\$ 100,000			\$ 100,000	
Calamus	2320001	S2012-0126	1920628 01	WWTP Upgrades 2011-add 3rd lagoon cell	2012	I	149	4	L	N/A	30%	12/23/16	\$ 1,360,000	\$ 1,969,000
Clinton (Phase II, Part 2)	2326001	S2005-0016	1920629 01	US 30/67 and Camanche Avenue (Reconstruction & Sewer Separation)	2012	V	144	4	R	\$ 3,535,000			\$ 3,535,000	
Elkhart	7730001	S2012-0137	1920634 01	Inflow and infiltration correction	2012	IIIA	129	4	P	\$ 609,030			\$ 609,030	
Nemaha	lication Found in IUF	N/A	PD-CW-12-04		2012	I,IIIB	P&D	2	R	\$ 75,000			\$ 75,000	
La Porte City	0743001	S2009-0187	1920620 01	Wastewater treatment plant improvements	2012	I,II	220	2	P	\$ 917,822			\$ 917,822	
North English	4858001	N/A	PD-CW-11-36		2012	II,IIIA,IIIB	P&D	1	R	\$ 140,000			\$ 140,000	
Dubuque (Revised Upper Bee Branch-Storm Water Revenue)	N/A	N/A	GNS10-5 (2)	Stream daylighting	2011	VII-K	162	4	L	N/A		4/12/2019	\$ 7,716,000	\$ 16,382,000
Wastewater Reclamation Authority	7727001	S2010-0310	1920593 03 (Phase 19 Seg 1-4)	Interceptor sewer to convey wastewater from Bondurant to the Wastewater Reclamation Facility	2011	IVB	150	2	R	\$ 16,545,820			\$ 16,545,820	
Libertyville	5148001	N/A	PD-CW-10-51		2011	I,IIIA,IIIB, VI	P&D	1	R	\$ 95,000			\$ 95,000	

Project Name	NPDES No.	Project Number	CWSRF No.	Project Description	IUP Yr	Needs Category	Priority Points	Quarter	Project Status	Current Requests	Loan Forgiveness	Date Loan Signed	Original Request	Loan Amount
Spencer	2171004	S2010-0111	1920528 01	Combined sewer separation	2011	V	185	1	R	\$ 2,300,000			\$ 2,300,000	
Brighton	9209001	S2009-0288	1920515 01	Sewer rehabilitation, wastewater treatment plant upgrade	2011	II,IIIB	140	1	R	\$ 2,675,000			\$ 2,675,000	
Bennett	1603001	S2010-0120	1920529 01	Sewer rehabilitation, pump station upgrades	2011	IIIA	137	1	R	\$ 1,971,000			\$ 1,971,000	
Coralville	N/A	N/A	GNS10-4	Green infrastructure practices at the Iowa River Landing	2010	VIIK	120	4	P	\$ 2,950,000	30%		\$ 2,950,000	
Wheatland	2394001	N/A	PD-CW-10-10		2010	IIIA, IIIB,V	P&D	3	R	\$ 67,000			\$ 67,000	
Mingo	5052001	S2008-0304	1920510 R1	Lagoon expansion	2010	I	172	3	R	\$ 1,365,000			\$ 1,365,000	
										\$ 677,500,717			\$ 1,162,267,338	\$ 531,585,825
Project Status		Project Needs Categories												
Dropped -- D		I Secondary Treatment												
Ready for Loan-- R		II Treatment more stringent than secondary												
Loan Signed -- L		IIIA Infiltration/Inflow rehabilitation												
Planning Stage -- P		IIIB Major sewer system rehabilitation												
Green Projects (*indicates that a business case is required)		IVA New collectors and appurtenances												
		IVB New interceptors and appurtenances												
		V Correction of combined sewers												
Add Subs		VI Stormwater management programs												
		VII Non-point source control projects;												
		Non-point Source Project Subcategories												
		VIIA Agricultural cropland sources												
		VIIB Animal sources												
		VIIC Silviculture												
		VIID Urban sources												
		VIIIE Groundwater protection (unknown sources)												
		VIIF Marinas												
		VIIG Resource extraction												
		VIIH Brownfields												
		VIIII Storage tanks												
		VIIJ Landfills												
		VIIK Hydromodification												
		XII Decentralized septic systems												



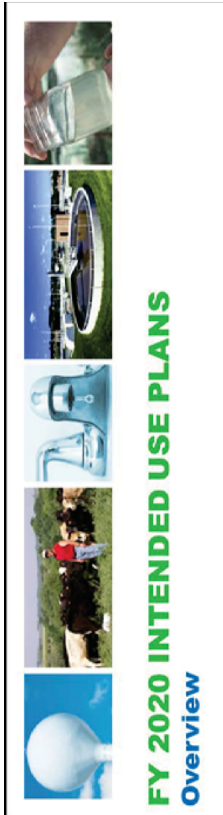
INVESTING IN IOWA'S WATER

FY 2020 INTENDED USE PLANS
 Clean Water State Revolving Fund
 Drinking Water State Revolving Fund



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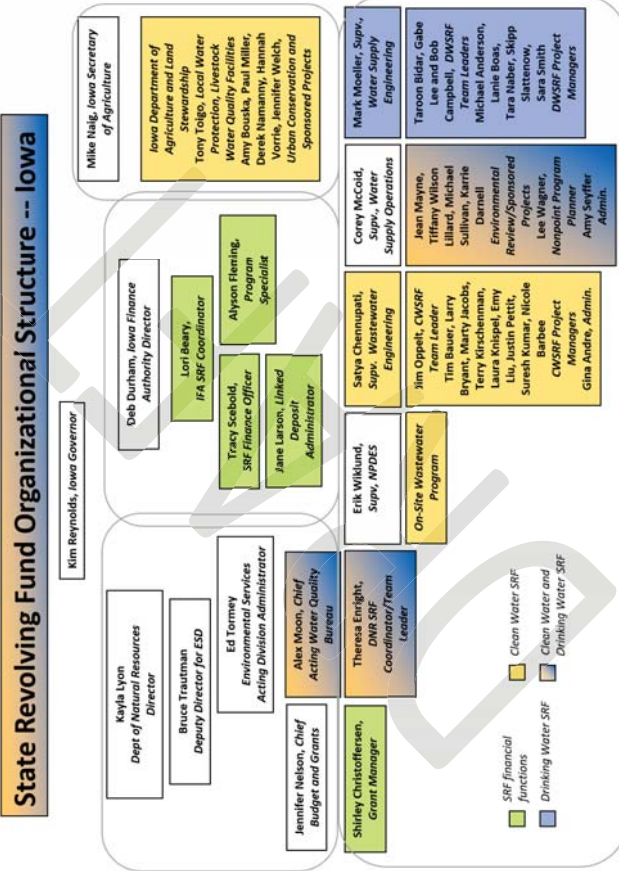
The Intended Use Plans (IUPs) following this introduction provide a roadmap to the policies and procedures of the SRF programs, along with the lists of projects and activities to be funded. The IUPs outline the proposed management of the Clean Water SRF and the Drinking Water SRF during State Fiscal Year 2020 (July 1, 2019 – June 30, 2020). The IUPs are developed and updated quarterly, in June, September, December, and March or more often as needed. With the SFY 2020 Intended Use Plan and future program plans, Iowa's SRF will continue to help Iowans protect public health and the environment through investing in Iowa's water.

Since 1988, the Iowa State Revolving Fund (SRF) has remained a reliable funding source for Iowan's in their pursuit to improve water quality and protect public health. In fact, Iowa's SRF has been recognized for offering some of the most innovative and far-reaching financing programs in the United States. Here are some of the highlights:

- ✓ In the last 30 years, Iowa's SRF has provided more than **\$3.5 billion** in loans for water and wastewater infrastructure, agricultural best management practices, and other water quality projects.
- ✓ Cities, counties, rural water systems, sanitary districts, farmers, livestock producers, homeowners, watershed organizations and others across the state utilize the existing SRF programs. Many borrowers come back to the SRF multiple times to finance their ongoing capital improvement projects.
- ✓ Iowa's SRF listens to stakeholders to create programs and financing tools that meet their needs. For example, program innovations such as sponsored projects and loans to farmers and livestock producers are providing effective financing tools for voluntary practices to address nonpoint source pollution control.
- ✓ SRF loans can be used as stand-alone financing or in combination with a wide variety of grants, including other federal water and wastewater assistance programs, state and federal agricultural cost-share, and local sources, along with private investment.
- ✓ Iowa's SRF is based on federal legislation that created the programs as revolving loan funds to provide a dependable, ongoing source of financing. Several sources of money are used to make loans, including federal capitalization grants, bonds, and loan repayments with interest. No state general funds are provided.
- ✓ Iowa's SRF programs are rated highly in financial markets, giving the programs strong leveraging capacity to keep up with demand for loans.
- ✓ The SRF programs accept applications throughout the year to ensure funding is available when projects are ready to proceed. All eligible projects can be funded.

- ✓ Transparency and accountability are commitments the Iowa SRF staff has made to stakeholders. All program plans are issued for public review and comment, with approval quarterly by the Iowa Environmental Protection Commission. Annual reports and program audits show program performance. Surveys and questionnaires are used to gauge customer satisfaction and identify and solve problems.

The unique partnership between the Iowa Department of Natural Resources, the Iowa Finance Authority, and the Iowa Department of Agriculture and Land Stewardship is the foundation for the success of the SRF programs. These agencies work together to deliver streamlined programs and good customer service.



Iowa's SRF also relies on partnerships with Soil and Water Conservation Districts, county environmental health agencies, watershed and land trust organizations, and lending institutions across the state to implement program and financial goals.

The anticipated use of the SRF programs is steady and even increasing. Several factors will create need for investment in the years to come: higher regulatory standards, aging infrastructure, increased emphasis on

environmental protection, and growth and expansion. In addition, the impacts to drinking water and wastewater infrastructure from extensive flooding and other natural disasters are currently being assessed. In May of 2019, a Memorandum of Understanding (MOU) was signed regarding coordination between EPA and FEMA. The MOU established a framework for the EPA Funded State Revolving Fund (SRF) programs to assist and collaborate with FEMA disaster assistance grant programs.

The SRF is not a very flexible tool for emergency response, but the Iowa SRF team is working with communities on a case-by-case basis to provide assistance addressing public health threats related to drinking water and wastewater. Some of the ways the SRF can help include:

- Restructure existing SRF loans. Communities with current financial difficulties may request an extension on the loan term or to delay principal payments. Under certain circumstances, it may be possible to reduce or eliminate interest and fee payments for a period of time.
- Use SRF loans as match for FEMA grants. FEMA funds will generally pay for 75% for the replacement costs for public water and wastewater systems. The SRF can be used for the required 25% match.
- Use SRF funds as short-term loans to be repaid with FEMA grants. There may be times when a public facility has been approved for a FEMA grant but there is a delay in receiving the funds. In those situations, a SRF loan could be used to finance the repairs and then be repaid with FEMA money. When all other requirements are met, loans may be made and then shown on the next quarterly IUP update.
- SRF loans can be used to pay for emergency repairs. The SRF team will work with communities to expedite the normal SRF procedures to the extent possible. While the required environmental review process cannot be waived, the SRF team will use categorical exclusions wherever possible to shorten the review period. When all other requirements are met, emergency loans may be made and then shown on the next quarterly IUP update.

The attached Intended Use Plans (IUP) outline goals and strategies to be used in managing the Iowa SRF programs during fiscal year 2020. The IUPs will continue to be amended quarterly, with projects added and funding amounts adjusted as needed. While the plans of action outlined in this SFY 2020 IUPs may be amended in subsequent quarters, they are intended to lay out the general direction and goals of the Clean Water and Drinking Water SRF programs.



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**FY 2020 INTENDED USE PLANS
Clean Water State Revolving Fund**

I. STATE FISCAL YEAR 2020 PLAN OF ACTION

The plan is based on anticipated use of new and revolving funds available in the CWSRF for funding water quality protection needs, including both publicly owned wastewater infrastructure and nonpoint source water protection projects.

The CWSRF loan program consists of three main program areas:

- The purchase of debt obligations for wastewater and some storm water projects is provided through the CWSRF to publicly owned facilities
- Direct loans, loan participation and linked deposit financing approaches address nonpoint source programs
- Water Resource Restoration Sponsored Projects address nonpoint source problems via interest rate reductions on wastewater loans

The SFY 2020 Plan of Action covers the following areas:

- CWSRF goals and objectives
- Current and projected financial capacity of the CWSRF
- Financial management strategies
- Plan for the SFY 2020 Project Priority List
- Plan for nonpoint source set-asides
- Plan for use of administrative accounts

CWSRF Goals and Objectives

The primary long-term goal of the Iowa CWSRF is to protect the environment and public health and welfare through a perpetual financial assistance program. While there have been changes to the CWSRF in recent years due to federal legislation, no major program updates are anticipated in SFY 2020.

The SFY 2020 short-term goals and objectives are as follows:

- Goal: Commit loan funds to as many recipients as possible in accordance with the state priority rating system, the IUP, staff resources, and available funding, in order to assist in the construction of projects with the highest water quality impacts. *Objective: During SFY 2020, quarterly updates to the IUP will be prepared to add projects and update program financial information. Sponsored project applications will*

be taken and added to the IUP twice per year. Projects approved under the nonpoint source set-aside programs will be funded on a continuous basis.

- Goal: Require applicants to engage a registered Municipal Advisor (MA). *Objective: During SFY 2020, all applicants submitting an Intended Use Plan application must demonstrate that they have hired an MA to assist with cash flows, rate setting, debt service coverage, and other financial aspects of their wastewater utility.*
- Goal: Implement the "Use of American Iron and Steel (AIS)" requirements enacted by Congress on January 17, 2014. *Objective: During SFY 2020, SRF staff will help applicants determine eligibility for the exemptions and waivers provided for in the Act and EPA guidance. SRF staff will provide information to those applicants required to comply on necessary documentation and inspection procedures. SRF will engage DNR Field Office staff to conduct site visits and provide technical assistance.*
- Goal: Fund green projects to meet the requirements of the Green Project Reserve. *Objective: During SFY 2020, the Iowa SRF plans to fund green projects as required in the FFY 2018 and FFY 2019 Capitalization Grants. Iowa has already complied with the GPR requirements of previous Cap Grants.*
- Goal: Develop plans for allocating loan forgiveness required in FFY 2018 and 2019 Cap Grants. *Objective: During SFY 2020, SRF staff plans to approve plans and specifications and execute loans or loan amendments with loan forgiveness for the amounts required in the FFY 2017, 2018 and 2019 Cap Grants. Iowa has complied with the additional subsidization requirements for all previous Cap Grants.*
- Goal: Comply with grant reporting conditions. *Objective: During SFY 2020, the Iowa SRF plans to enter data into the CWSRF National Information Management System (NIMS) and the CWSRF Benefits Reporting (CBR) system.*
- Goal: Comply with EPA guidance on reporting under the Federal Funding Accountability and Transparency Act (FFATA). *Objective: In the Annual Report, SRF staff will list loans that met the several requirements of FFATA for open Capitalization Grants. Grants may not be closed out until equivalency amounts can be reported. Loans reported for FFATA will meet equivalency requirements for the following:*
 - o Section 602(b) (14) of the Clean Water Act: "A contract to be carried out using funds directly made available by a Capitalization Grant...for program management, construction management, feasibility studies, preliminary engineering, design, engineering, surveying, mapping, or architectural related services shall be negotiated in the same manner as a contract for architectural and engineering services is negotiated under Chapter 11 of title 40, United States Code..."
 - o Federal socioeconomic cross-cutters
 - o Federal environmental cross-cutters
 - o EPA signage guidance
 - o Single audit requirements
- Goal: Comply with EPA guidance on cost and effectiveness requirements under Section 602(b)(13) of the Clean Water Act, which states: "Beginning in (federal) fiscal year 2016, the State will require as a condition of providing assistance...that the recipient of such assistance certify...that the recipient - A) has studied and evaluated the cost and effectiveness of the processes, materials, techniques, and

- technologies for carrying out the proposed project...; and B) has selected, to the maximum extent practicable, a project or activity that maximizes the potential for efficient water use, reuse, recapture, and conservation, and energy conservation, taking into account – i) the cost of constructing the project or activity; ii) the cost of operating the project or activity over the life of the project or activity; and iii) the cost of replacing the project or activity.” Objective: *During SFY 2020 CWSRF will require applicants whose project requests were placed on the IUP after October 1, 2015 to submit a self-certification form indicating compliance with this requirement.*
- Goal: Promote and identify sustainable practices in projects proposed for funding. Objective: *During SFY 2020 SRF staff will provide information on the EPA’s Sustainability Policy to applicants and include sustainability features in project descriptions.*
- Goal: Continue to implement the Water Resource Restoration Sponsor Program authorized in Iowa Code 384.84. Objective: *During SFY 2020, SRF staff will receive applications twice per year for Sponsored Project funding. Application deadlines will be in September and March. In conjunction with watershed coordinators, Iowa Department of Agriculture and Land Stewardship urban conservationists, and others, SRF staff will evaluate the applications and prepare a list of proposed projects for the IUP.*
- Goal: Comply with the EPA Signage Guidance. Objective: *During SFY 2020 SRF staff and recipients will notify the public in the most effective ways possible about assistance agreements and benefits of the CWSRF program in order to enhance public awareness of EPA assistance agreements nationwide. The Iowa SRF program sends out press releases listing all SRF loans that have closed and borrower contact information.*

Additional long-term goals include:

- Goal: Work with other state and federal agencies to coordinate water quality funding. Objective: *During SFY 2020, SRF staff will meet regularly with staff from the Community Development Block Grant program, and USDA Rural Development. SRF staff will also coordinate funding with new state Water Quality Initiative grants for nonpoint source projects.*
- Goal: Apply program requirements that are simple and understandable and do not add unnecessary burdens to applicants or recipients. Objectives: *During SFY 2020 SRF staff will continue to assist applicants with completing the federal cross-cutting requirements for environmental and historical review. Staff will not be responsible for Davis-Bacon compliance but will advise borrowers as needed. Borrowers will be responsible for compliance and may hire outside consultants to assist.*
- Goal: Continue the option of extended financing terms for CWSRF infrastructure projects. Objective: *During SFY 2020 this option will be offered to current and new projects on the project priority list. Applicants seeking extended financing must complete a worksheet outlining the anticipated life of the project components, which can be averaged to determine the extended term.*
- Goal: Maintain mechanisms for funding the on-going administration of the program if federal funding is reduced or eliminated. Objective: *During SFY 2020 initiation and servicing fees will be collected on CWSRF loans for deposit to administrative accounts. SRF staff will develop short and long-term plans for administrative budgets.*

- Goal: Manage the CWSRF to maximize its use and impact through sound financial management. Objective: *During SFY 2020 SRF staff and financial advisors will continue to conduct financial analysis and develop innovative approaches to financial management.*
- Goal: Implement programs that effectively address water quality needs and target appropriate audiences. Objective: *During SFY 2020 SRF staff will continue to educate users and potential users about the program offerings through presentations, displays, program materials, and the IowaSRF.com website.*
- Goal: Update the CWSRF Operating Agreement. Objective: *In the future, SRF staff will work with EPA Region 7 to update the Clean Water SRF Operating Agreement between DNR and EPA. The agreement has not been updated since 2007 and the EPA is evaluating the future use of Operating Agreements in Region 7 states.*

Current and Projected Financial Capacity of the CWSRF

Appendix A, the Estimated Sources and Uses table, shows that funds are available to fund current requests as of April 2019. The Iowa CWSRF program uses its equity fund to originate loans. When a sufficient number of loans have been made, the SRF program issues bonds, backed by those CWSRF loans, and uses the bond proceeds to replenish the equity fund. Bonds were issued in SFY 2019 and included state match for the estimated FFY 2019 Capitalization Grant.

The leveraging capacity of the CWSRF is robust due to the maturity of the fund and the current loan portfolio. SRF staff has analyzed the future financial capacity of the CWSRF in light of the discussion over water quality standards and other future wastewater needs. Assuming continued Cap Grants, 10% loan forgiveness and the same interest rates, it is projected that the CWSRF could loan an average of \$290 million per year over the next 10 years, or a total of \$2.9 billion. If we assume no additional Cap Grants but keep the same interest rates, the CWSRF could loan an average of \$231 million per year over the next 10 years. Those amounts would increase if we were to increase the interest rate.

Financial Management Strategies

The CWSRF Project Priority List (attached) show total loan requests for wastewater projects. Because many of these projects are in the planning phase, they are not expected to sign a binding loan commitment during this fiscal year. The projected timing and demand for loan draws is reflected in the sources and uses table (Appendix A). Other uses for CWSRF funds in SFY 2020 include \$22.8 million for nonpoint source set-asides.

The cash draw procedure used is the direct loan method. State match is fully disbursed prior to drawing EPA Capitalization Grant funds. The EPA Capitalization Grant funds will be drawn at a 100% proportionality ratio. Iowa’s bonds are cross-collateralized across both the Clean Water and Drinking Water SRF accounts.

SFY 2020 Project Priority List

The management of the CWSRF program includes a priority list of projects for loan assistance, which has been developed according to DNR rules 567 IAC 92 (455B).

With the available CWSRF funds, this IUP provides a projection of loan funding assistance for applications in priority order determined by point source rating criteria defined in 567 IAC 91 (455B). This priority list will be amended on a quarterly basis during SFY 2020. Chart 1 (attached) constitutes the project priority list.

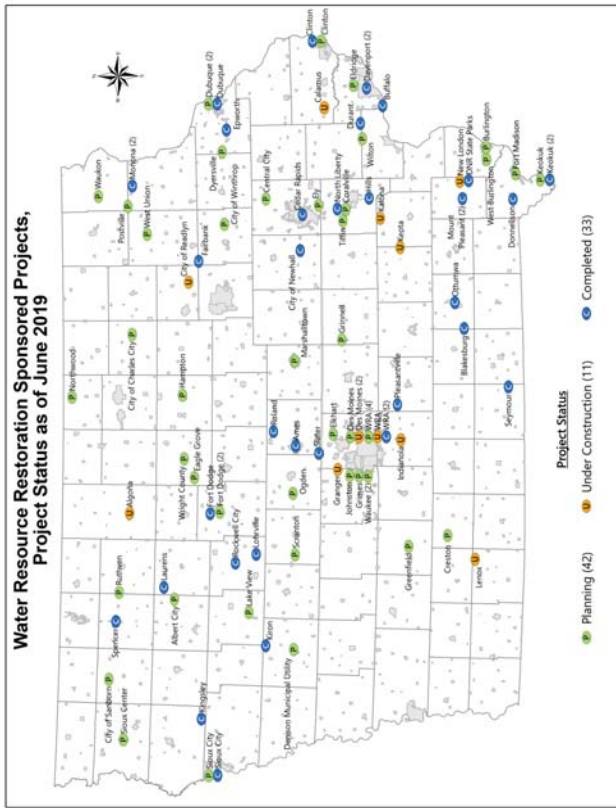
Applications will be taken during SFY 2020 on September 3, 2019 and March 2, 2020.

Explanations of eligible applicants and projects, as well as specific application requirements, are outlined in the SFY 2020 Sponsored Project Application Packet, available online at: http://www.iowasrf.com/about_srf/sponsored_projects_home_page.cfm

The applications proposed for funding in SFY 2020 are listed in Appendix D.

- The amount set aside for interest rate reductions is \$10 million (on up to \$100 million worth of future CWSRF infrastructure loans). DNR reserves the right to cap the dollar amount of a single project to a percentage of the total allocated.

The map below shows the project locations for approved sponsored projects through the end of SFY 2019.



Due to the project workload and for planning purposes, the CWSRF staff may evaluate projects that have been on the IUP list for more than three years. A notification will be sent to the applicants that their project may be dropped if there is no progress in the six months following the notice. If a project is dropped, the applicant may reapply when the project is ready to move ahead.

For program planning purposes, the fundable projects are further identified as “R – ready for loan” (indicating that the construction permit and environmental review have been completed), and “P – in planning.”

The following categories of projects will be included for funding during SFY 2020 and are included on Chart 1:

Unfunded Prior Years’ Section 212 Projects: These are loan requests remaining on the project priority list from previous years’ IUPs. It is Iowa’s intention to make CWSRF loans to these projects during SFY 2020 if they are ready for a binding loan commitment.

Segments of Previously Funded Section 212 Projects. State rules provide that subsequent segments of a project, which has previously received funding priority or assistance, be placed on the project priority list ahead of new projects. Segmented projects will be added to the SFY 2020 project priority list as received.

New Section 212 Projects. New applications for assistance during SFY 2020 will be added to the project priority list. Applications will be accepted on a continuous basis during SFY 2020 with quarterly updates completed as needed.

Supplemental Financing. Supplemental financing for projects listed in previously approved IUPs are added to the IUP as they are requested unless the additional funds will be used for improvements that would significantly change the scope of the project. Additional environmental review may be required. Supplemental loans will not be provided for changes that are ineligible for funding.

Planning and Design Loans. Planning and design loans are provided at 0% interest for up to three years to cover the costs of preparing facility plans and project specifications. The loans will be rolled into CWSRF construction loans or repaid by another source of permanent financing.

Water Resource Restoration Sponsored Project

The project category called “water resource restoration” sponsored projects includes locally directed, watershed-based projects that address nonpoint source water quality issues.

Iowa Code chapter 384-84 authorizes these projects to be financed with sewer revenues. On a typical CWSRF loan, the utility borrows principal and repays principal plus interest. On a CWSRF loan with a sponsored project, the utility borrows for both the wastewater improvement project and the sponsored project. The overall interest rate on the total amount of principal borrowed is reduced so that the utility’s ratepayers do not pay any more than they would have for just the wastewater improvements. Instead, two water quality projects are accomplished for the cost of one.

- For loans up to 20 years, the interest rate on the combined infrastructure/sponsored project loan will be reduced to not lower than 0.75%. The equivalent of the amount that would be generated by a 1% interest rate (approximately \$100,000 per \$1 million borrowed) will be available for eligible sponsored project costs. Loans between 20-30 years can also be used but the dollar amount for sponsored projects will also be \$100,000 per \$1 million.

Plan for Nonpoint Source Set-Asides

Iowa authorizing legislation and state administrative rules allow the use of CWSRF funds for nonpoint source pollution control projects. Four set-asides for nonpoint source program assistance have been established which target areas of need allowed under federal guidance and identified in the state nonpoint source water quality management plan:

- The On-Site Wastewater Systems Assistance Program (OSWAP), provides loans to homeowners to replace inadequate septic systems. New systems are certified by county sanitarians.
- The Local Water Protection (LWP) Program, addresses soil, sediment, and nutrient control practices on agricultural land. DNR contracts with the Iowa Department of Agriculture and Land Stewardship, which operates the program through local Soil and Water Conservation Districts.
- The Livestock Water Quality Facilities (LWQ) Program, assists livestock producers with manure management plans, structures, and equipment. Facilities with fewer than 1,000 animal unit capacity are eligible. DNR contracts with the Iowa Department of Agriculture and Land Stewardship, which operates the program through local Soil and Water Conservation Districts.
- The General Nonpoint Source (GNS) Program, supports a wide variety of other water quality protection efforts. Projects include habitat and wetland restoration, landfill closure, lake restoration, and watershed planning. Funding for Storm Water Best Management Practices loans is also included in this set-aside amount. Projects that involve purchase of land require separate approval by the EPC. These projects as well as new legislation regarding GNS uses, are listed in Appendix E.

Loans for these four set-aside programs are made through participating lenders through either a linked deposit arrangement or loan participation. For linked deposits, SRF funds are deposited with a participating lender and are used to issue the loan. For loan participation, SRF funds are used to purchase an existing loan from a lender.

The table below outlines the current and proposed set-aside amounts planned for the four programs. These set-aside amounts may be amended based on need and the financial capacity of the CWSRF.

Program	Proposed SFY 2020 Set-Aside Amount
Onsite Wastewater Assistance Program (OSWAP)	\$1.8 million
Local Water Protection Program (LWPP)	\$5.0 million
Livestock Water Quality Facilities Program (LWQ)	\$6.0 million
General Nonpoint Source Program (GNS)*	\$10.0 million
TOTAL	\$22.8 million

*GNS projects that receive a direct loan are not part of this set-aside and are listed individually on the project priority list (Chart 1).

Plan for Use of Administrative Accounts

There are three distinct funding sources for CWSRF administrative expenses:

- The CWSRF administrative set-aside. Iowa intends to take or reserve 4% of the federal Capitalization Grant funds for program administration. The Iowa SRF program did take the administrative set-aside of \$2,121,600 from the ARRA Cap Grant in the 2018 Cap Grant application. Any unused administration commitments from ARRA and other Capitalization Grants are reserved for use in future years as

necessary should Capitalization Grants be reduced, or actual costs increase.

- Loan initiation fees. A 0.5% loan origination fee will be charged on new CWSRF loans. The maximum amount to be paid will be \$100,000. Under EPA rules, because Iowa's origination fees are financed through the loans, the proceeds are considered program income. Program income can only be used for the purposes of administering the CWSRF program or for making new loans.
- Loan servicing fees. A fee of 0.25% on principal is charged on CWSRF loans. Under EPA rules, only servicing fees charged on loans made above and beyond the amount of the Capitalization Grant and fees collected after the Capitalization Grant under which the loan was made has been closed are considered non-program income. Non-program income can be used to administer the program or for other water quality purposes. The uses of non-program income are discussed below.

Program Income. It is estimated that program income collected in SFY 2020 will be approximately \$1 million dollars and will be used for program administration. Program income is replenished throughout the fiscal year by funds received from loan initiation fees as described above.

Non-Program Income. There is approximately \$9.4 million available in funds considered non-program income.

Planned Expenses. CWSRF program expenses are estimated to be approximately \$3 million this fiscal year. This includes the work of wastewater engineering section project managers, specialists in environmental review, nonpoint source program administrators, financial officers, loan coordinators, and program managers. It also covers expenses for financial and legal advisors. These program expenses will first be paid out of program income and then non-program income once program income has been fully expended.

DNR intends to use a portion of non-program funds during SFY 2020 to support staffing to the Field Services Bureau for wastewater compliance activities including inspections, investigations, and technical assistance and to support staffing in the Water Quality Bureau for construction permitting, National Pollution Discharge Elimination System permitting, and other programmatic staffing needs.

II. INFORMATION ON THE CWSRF ACTIVITIES TO BE SUPPORTED

Allocation of Funds

Allocation of funds to eligible projects was based on a four-step process:

1. The amount of financial assistance needed for each application was estimated
2. The sources and allowable uses of all CWSRF funds were identified
3. The CWSRF funds were allocated among the projects, consistent with the amount available and the financial assistance needed
4. A designated amount was selected as reasonable and manageable for each set-aside

Information pertinent to each CWSRF project is contained in Chart 1, pursuant to Section 606(c) (3) of the Clean Water Act.

Sources and Uses of Available CWSRF Funds

Appendix A to the Intended Use Plan illustrates potential sources and uses of funds in the CWSRF for SFY 2020. As shown, all pending loan requests and program administration needs can be funded. Projects will draw on their funding at different intervals based on their construction cycles. These differences are used to estimate cash needs throughout the year. Appendix A will be updated quarterly as needed to provide an ongoing view of

the financial plan for meeting loan requests.

Iowa's SRF program issues bonds annually or as needed. These bond issues include the state match for the next federal Capitalization Grants. On February 26, 2019, IFA issued \$258,005,000 of SRF bonds. Of that amount, \$9,208,600 was for Clean Water state match and \$7,667,200 was for Drinking Water state match and was deposited in the respective state match accounts on that date. The FY19 Clean Water cap grant was matched with \$4,301,000 and the FY19 Drinking Water cap grant was matched with \$3,486,400. The remainder of the match funds will be used for the FY20 cap grants. After the bonds are issued, the state match is spent first so the Cap Grant can be drawn down at 100% when it is received. All state match funds have been disbursed to loan recipients.

Section 212 Projects Program Policies

Project Scope. The scope of the project must be outlined on the Intended Use Plan application and in the facility plan. Changes to the scope are allowed prior to loan closing. Significant changes in scope may cause delays if additional work is required by the project manager or environmental review specialist. Once a loan is signed, only minor changes to the scope will be allowed and only if they do not require additional technical or environmental review.

Loan Interest Rates. Interest rate for CWSRF planning and design loans will be 0% for up to three years.

The interest rates for construction loans made from the CWSRF are as follows:

Loan Term	Applicant Type	Interest Rate	Servicing Fee	Total
Standard (up to 20 years)	All	1.75%	0.25%	2.00%
Extended (21 to 30 years based on useful life)	Disadvantaged*	1.75%	0.25%	2.00%
Extended (21 to 30 years based on useful life)	Non-Disadvantaged	2.75%	0.25%	3.00%

*Communities must be determined to be disadvantaged based on criteria in Iowa Code section 455B.199B, Disadvantaged Communities Variance, as amended by Senate File 407 on April 28, 2011. These criteria include income and unemployment data. SRF staff will also consider population trends, providing 1 point for communities with projected increases or decreases in population. Population trends are also reviewed as part of the construction permitting process as required in Iowa Administrative Code 567 Chapter 64.2(9).

Loan Fees: A 0.5% origination fee is charged on the full loan amount for new CWSRF construction loans, with a maximum amount of \$100,000. No origination fees will be charged on planning and design loans. A .25% servicing fee will be charged on construction loans. Payment of the loan servicing fee is semi-annual with interest payments for all new SRF loans. Loan servicing fees are only charged on the principal amount disbursed during construction (not the entire original loan amount).

Financing Term: The financing term will be up to 30 years. Current and new projects on the project priority list may request an extended term. The length of the term will be based on calculation of the average useful life of

the entire project, to be determined by the applicant's consulting engineer and approved by DNR.

Maximum Financing. There is no maximum financing amount.

Project Readiness. Applicants cannot be offered assistance until they meet program requirements.

Funding Limitations. Pending loans identified in this IUP do not exceed funds obtainable for the CWSRF program.

Plan for Efficient and Timely Use of CWSRF Funds

The State of Iowa's Clean Water State SRF uses Federal Capitalization Grant funds as expeditiously as possible. Iowa has been able to use its Federal Capitalization Grant funds in a timely way due to a robust and sustained demand for loans. A number of program features have spurred the growth in loan demand. These include:

- Improvements and streamlining in the wastewater construction permitting process, which reduced timelines for project review and approval
- Allow applicants to pursue phased approach for projects to enable individual phased projects proceed timely to construction instead of waiting on approval on a large project
- Planning and design loans at 0% interest for three years to provide upfront capital to get projects started and ready for construction and loan closing
- Year-round application process with quarterly updates to the Intended Use Plan, which keeps projects in the loan pipeline on a continual basis
- Expansion of nonpoint source and green infrastructure programs to include loans for farmers, livestock producers, watershed organizations, and others
- Extended term financing, based on project useful life, which allows more utilities to benefit from the CWSRF
- Environmental review services to complete assessments of impacts to natural and cultural resources, reducing costs and barriers to participating in the loan program
- Focus on marketing, customer and consultant education, and coordination with other funders

Financial management also contributes to the timely use of federal funds. The Iowa CWSRF program uses its Equity Fund to originate new loans. This fund consists of principal and interest repayments. When additional funds are needed, the SRF program issues bonds, backed by those CWSRF loans, and uses the bond proceeds to replenish the equity fund.

Due to equivalency guidance from the U.S. EPA, Cap Grant dollars can be directed on a first-in, first-out basis. That allows the Cap Grant to be drawn down more quickly. Equivalency projects are chosen to meet the full range of SRF requirements. Loan disbursements are made weekly. Iowa's CWSRF disbursements averaged \$11 million per month over the last 5 years. During the first 10 months of SFY 2019, the monthly disbursement averaged almost \$18 million.

With a return of \$3.91 for every dollar of federal investment (compared to the national average of \$2.79), Iowa's CWSRF is an efficient and effective delivery mechanism for water infrastructure funding.

The practices described above are currently working well for Iowa and will be continued through SFY 2020.

Water Quality Management Planning

A reserve for water quality management planning as required by Title VI of the Clean Water Act will be set aside from Iowa's Title VI allotments and granted to the state for this purpose separately from the CWSRF. This reserve does not appear in this IUP as it has been already deducted from Iowa's allotment and taken into account in projecting Iowa's available Capitalization Grant.

SEE Salary Funds Deducted from Cap Grant

These positions are filled by EPA Region 7 and assigned to the DNR's Wastewater Engineering section to provide technical and administrative assistance to the CWSRF projects and program. The SEE enrollees help provide technical and administrative assistance to the CWSRF program and keep up with the increasing CWSRF project technical and administrative work load. Authorized under the Environmental Programs Assistance Act of 1984 (PL 98-313), the SEE program is intended "to utilize the talents of older Americans in programs authorized by other provisions of law administered by the Administrator in providing technical assistance to Federal, State, and local environmental agencies for projects of pollution prevention, abatement, and control."

III. ASSURANCES AND SPECIFIC PROPOSALS

Iowa will provide the necessary assurances and certifications according to the Operating Agreement between the State of Iowa and the U.S. EPA.

IV. CRITERIA AND METHOD FOR DISTRIBUTION OF FUNDS

Section 212 Infrastructure Projects

The following approach was used to develop Iowa's proposed distribution of CWSRF funds for Section 212 infrastructure projects: (1) analysis of the priority of communities applying and financial assistance needed; (2) identification of the sources and spending limits of available funds; (3) allocation of funds among projects; (4) development of a payment schedule which will provide for making timely binding commitments to the projects selected for CWSRF assistance; and (5) development of a disbursement schedule to pay the project costs as incurred.

Allocation of Funds Among Projects: All projects listed in the CWSRF Project Priority List (attached) are eligible for assistance and may be funded from the CWSRF subject to available funds.

All projects scheduled for funding with Iowa's CWSRF will be reviewed for consistency with appropriate plans developed under sections' 205(j), 208, 303(e), 319 and 320 of the Clean Water Act, as amended. Evidence of this review and finding of consistency will be documented in each CWSRF project file. Should a project fail to meet this review criterion, it may be bypassed as allowed by State rules. The Project Priority List provides for contingency projects, which may be considered for loan assistance as bypass projects according to state rules without formal amendment of this intended use plan.

Priority of Communities and Financial Assistance Needed. Iowa law provides only for loan assistance. Additional subsidization required by federal Capitalization Grant conditions will be through forgivable loans. The state's CWSRF rules identify the priority rating system used to establish priorities for loan assistance.

Capitalization Grant Requirements: The FFY 2016 - 2019 Capitalization Grants include requirements for

minimum and maximum percentages of the funds to be allocated for additional subsidization and/or green projects. Iowa will comply with these requirements. The specific projects that have received add subs or been counted for the GPR are listed in Appendix C. Iowa will satisfy the amounts required in the FFY 2018 and 2019 Capitalization Grants. Time limits may be established on loan forgiveness awards.

	Add Subs Req.	Add Subs Actual	%	GPR Req.	GPR Actual	%
2016	\$ 1,808,300	\$ 1,838,800	102%	\$ 1,808,300	\$ 5,691,797	315%
2017	\$ 1,794,400	\$ 1,794,400	100%	\$ 1,794,400	\$ 21,236,103	1183%
2018	\$ 2,172,300	\$ 1,981,800	91%	\$ 2,172,300		0%
2019	\$ 2,150,500		0%	\$ 2,150,500		0%

Nonpoint Assistance Programs

Nonpoint source assistance includes set-asides for the Onsite Wastewater Assistance Program (OSWAP), Livestock Water Quality Facilities (LWQ), Local Water Protection (LWP) and General Nonpoint Source (GNS). These funds implement the intent of Iowa statute to use CWSRF funds to improve residential wastewater systems, to assist owners of existing animal feeding operations to meet state and federal requirements, for local water protection projects that will provide water quality improvement or protection and for general nonpoint source projects that will provide water quality improvements or water quality protection. These systems are addressed as a need by Iowa's State Nonpoint Source Management Plan. Individual loan applicants for all set-aside program operated as linked deposit and loan participation are not identified in this IUP. Only GNS projects with a direct loan will be listed on the project priority list.

V. METHOD OF AMENDMENT OF THE INTENDED USE PLAN

This IUP will be followed by the State in administering CWSRF funds in SFY 2020. Federal and state law requires, and Iowa welcomes, opportunity for public participation in the development of the IUP. Any revisions of the goals, policies and method of distribution of funds, must be addressed by a revision of the IUP, including opportunity for public participation. Updates to the IUP to add projects to the priority list, to make program changes, or to adjust dollar amounts in set-asides, will be made quarterly as needed. Minor adjustments in funding schedules, loan amounts and use of bypass provisions including funding of projects on contingency status are allowed by the procedures of this IUP and state rules for administration of the CWSRF without public notification.

VI. PUBLIC REVIEW AND COMMENT

A public meeting to allow input to Iowa's SFY 2020 IUP and Project Priority List was held May 9, 2019, 10:00 a.m., at the Wallace State Office Building, Conference Room 4W, 502 E. 9th Street, Des Moines. This meeting was announced in a notice provided to stakeholder organizations representing city officials, consulting engineers, county governments, councils of government, area planning agencies, and other groups which might have an interest. There were no attendees. The public comment period was open until May 16, 2019. There were no written comments.

A public meeting to allow input to Iowa's SFY 2020 Q2 IUP and Project Priority List was held August 8, 2019, 10:00 a.m., at the Wallace State Office Building, Conference Room 5E, 502 E. 9th Street, Des Moines. This meeting was announced in a notice provided to stakeholder organizations representing city officials, consulting engineers, county governments, councils of government, area planning agencies, and other groups which might have an interest. There was one attendee but no comments were taken for the record. The public comment

period was open until August 15, 2019. Written comments were received by the EPA and IFA and have been incorporated into this update.

VII. PROJECT PRIORITY LIST

Chart 1, the CWSRF Project Priority List is included in a separate, sortable Excel file.

APPENDIX A

Iowa CWSRF State Fiscal Year 2020 Q2
Estimated Funding Sources and Funding Uses
As of 7/18/19

Funding Sources	
Funds Available in Equity Fund, Bond Proceeds and Program Accounts	\$194,896,000 *
FFY 2019 Capitalization Grant	\$21,505,000 **
State Match Bond Proceeds for FFY 2019/20 Capitalization Grants	**
Issuance of Leveraged Bonds (Next Bond Issue Expected SFY21)	\$0
Equity Fund and Program Interest Earnings	\$0
Loan Repayments	\$450,000
Total Funding Sources	\$101,999,000
	\$318,850,000
Funding Uses	
Undisbursed Amounts Committed to Existing Loans (30% disbursement rate)	\$87,767,000
Section 212 Project Requests (FNSI/CX issued; 25% disbursement rate)	\$51,083,000
Section 212 Project Requests (FNSI/CX not issued; 15% disbursement rate)	\$64,371,000
Planning & Design Requests (50% disbursement rate)	\$8,185,000
Non-Point Source Program Assistance	\$22,596,000
Principal Payments on Outstanding Bonds	\$41,430,000
Interest Payments on Outstanding Bonds	\$41,877,000
Program Administration From FFY19 Capitalization Grant	\$717,000
Program Administration From ARRA Capitalization Grant	\$824,000
Total Funding Uses	\$318,850,000

* Funds Available for disbursements as of 7/18/19

** Estimated Only

*** Loan disbursement rates are estimated based on previous experience with project pace. For projects that currently have not had a Finding of No Significant Impact or Categorical Exclusion issued, it is expected that up to 15% of the total project amounts may be disbursed during SFY 2020 once environmental review is completed, construction permit issued, and binding loan commitment signed. For those projects with FNSI/CX clearance, the disbursement rate is estimated at 25% of the loan request amount.

All amounts are rounded to the nearest \$1,000

**APPENDIX B-1
PROCEDURES TO DETERMINE SECTION 212 PROJECT PRIORITY LIST**

Project rankings were determined by the following procedures:

Cost eligibility of projects was determined as per 567 IAC 92.7(6) (455B). Applications were evaluated using the priority point system in 567 IAC 91.8(455B).

The final project priority list for a fiscal year's project pool is compiled in the following manner: subsequent segments of projects funded by CWSRF loan programs of previous years will be ranked at the top; projects ranked in the current year application group will then be added.

Projects on the project priority list will be given contingency status should the total amount of needs exceed the year's CWSRF staff resources capability and loan funding or if the projects have not met the fundable criteria described in 567 IAC 92.6(2)(455B). Projects will be funded from the top down in the ranking order of the project priority list. Projects are ranked similarly in the contingency project list. The top project in the contingency list can be moved to the funding list when funds are available or it has met the fundable criteria. Funds can be made available due to a number of reasons including project bypasses, loan application withdrawal of other projects, reduction in loan amount requests, an increase in available funds, or progress in meeting program requirements.

**APPENDIX B-2
CRITERIA TO DETERMINE PROJECT PRIORITY LIST**

In April 2010 Iowa adopted revised rules for the Clean Water State Revolving Fund (CWSRF). 567 IAC 91 provides the criteria for scoring and ranking CWSRF projects. The new system uses an integrated approach which allows comparison of Section 212 POTW (publicly owned wastewater treatment works) projects as well as nonpoint source pollution control projects. The goal of the new system is gain the highest water quality benefits for the funding available.

Currently Iowa is able to fund all projects that are eligible, but the priority system will be available to use in the case that demand for CWSRF loans exceeds supply of funds.

Section 212 POTW Projects

The rating criteria consider the use classification of the receiving waters, water quality of the receiving waters, groundwater protection, project type, project purpose, and a tiebreaker; defined in 567 IAC 91.8 (455B). Priority ranking for the projects shall be based on the total points awarded for all the categories; the greater the total number of points, the higher the ranking. The ranking will be done at the time the IUP is prepared and will not be updated during the year. The tie breaker category will be used when necessary.

Nonpoint Source Set-Aside Programs

The rating criteria consider the use classification of the receiving waters, water quality of the receiving waters, groundwater protection, project type, project purpose, and a tiebreaker; defined in 567 IAC 91.8 (455B). Priority ranking for the projects is based on the total points awarded for all the categories; the greater the total number of points, the higher the ranking. The priority system for nonpoint source will not be implemented until 90 percent of a nonpoint source set-aside is allocated and no additional funds are available. If that occurs, ranking will be done at the time that a new project application is received.

APPENDIX C

BORROWERS RECEIVING ADDITIONAL SUBSIDIZATION OR COUNTED FOR GREEN PROJECT RESERVE (GPR)

For FFY 2016-2018 Cap Grants, some GPR projects received additional subsidization. Other projects received add subs based on their disadvantaged community status. Time limits may be established for loan commitments in order to apply loan forgiveness awards from these grants.

Beginning in FFY 2019 Cap Grant, loan forgiveness will be offered to eligible disadvantaged community status projects. Construction must begin within 24 months of the EPC approval of the applicable IUP or the loan forgiveness offer will be withdrawn. Extensions may be granted at the discretion of the SRF Program Coordinators.

Project	Loan Amount	Amount Green Project Reserve	Amount Additional Subsidization	Grant Year Reported
Ottumwa			700,000	2016
Albert City	1,000,000		300,000	2016
Albert City	2,796,000		838,800	2016
WRA (sponsored)	1,070,000	1,070,000		2016
INHF	430,000	430,000		2016
INHF	903,297	903,297		2016
INHF	729,000	729,000		2016
INHF	1,125,000	1,125,000		2016
INHF	277,500	277,500		2016
INHF	611,000	611,000		2016
INHF	546,000	546,000		2016
INHF	1,958,400	1,958,400		2017
INHF	3,046,703	3,046,703		2017
Epworth WRR14-013	334,000	334,000		2017
North Liberty WRR15-005	1,426,000	1,426,000		2017
Storm Lake	1,755,000	1,755,000		2017
Storm Lake	1,500,000	1,500,000		2017
Storm Lake	750,000	750,000		2017
Storm Lake	574,000	574,000		2017
NPS	920,000	920,000		2017
NPS	370,000	370,000		2017
NPS	450,000	450,000		2017
Blakesburg WRR	28,000	28,000		2017
Sioux City WRR	474,000	474,000		2017
Keokuk WRR	245,000	245,000		2017
Fort Dodge WRR	108,000	108,000		2017
Epworth WRR14-013	55,000	55,000		2017
WRA WRR	144,000	144,000		2017
WRA WRR	780,000	780,000		2017
Fort Madison	324,000	324,000		2017

**APPENDIX D
SFY 2020 Sponsored Project Funding Recommendations**

Project	Loan Amount	Amount Green Project Reserve	Amount Additional Subsidization	Grant Year Reported
Keokuk WRR	583,000	583,000		2017
Rockwell City WRR	94,000	94,000		2017
Durant WRR	558,000	558,000		2017
Fairbank WRR	325,000	325,000		2017
Johnston	4,434,000	4,434,000		2017
Calamus	1,969,000		590,700	2017
Deloit	516,000		154,800	2017
Calmar	2,977,000		893,100	2017
Lake View	6,700,000		155,800	2017
Lake View	6,700,000		844,200	2018
St Donatus	842,000		252,600	2018
Coralville	2,952,000		885,000	2018

INHF = Iowa Natural Heritage Foundation
WRA = Wastewater Reclamation Authority

Applicant	Proposed Watershed and Project Description	Proposed Partners	Date Approved
Clarinda	Implement agricultural best management practices (BMPs) within the Lower Nodaway HUC-10 watershed to reduce nutrient and risk from other pollutants to the City's surface water supply, and to reduce urban storm water discharge pollutants entering the West Nodaway River	Page CCB, Page SWCD, NRCS, IDALS	6/18/2019
Davenport	Implement best management practices throughout the Duck Creek Watershed to reduce bacteria, nitrogen, phosphorus, pesticides, sediment and hydrocarbons from urban and agricultural sources and implement recommendations from DCWMP in targeted areas of the watershed to address the bacterial impairment in Duck Creek	NRCS, IDALS, Scott SWCD	6/18/2019
Hawarden	Install urban storm water best management practices in three identified sub-watersheds of the Dry Creek and Green Creek watersheds within city limits in order to capture and treat storm water before it reaches the Big Sioux River	IDALS, Sioux SWCD	6/18/2019
Madrid	Stormwater BMP's in Murphy's Branch watersheds. Proposed storm water wetland will be recommended for funding contingent upon the ability for it to be adequately sized to meet the requirements in the Iowa Storm Water Management Manual within the existing footprint of the City owned property or the City's ability to reach an agreement to purchase the property necessary for the storm water wetland to be appropriately sized by the next Sponsored Project application deadline, September 3, 2019.	Polk SWCD	6/18/2019
Osceola	Implement urban storm water best management practices in order to treat or reduce urban storm water pollutants within six sub watersheds of South Squaw Creek, Upper Otter Creek, and Headwaters of White Breast Creek HUC-12 watersheds	Clark SWCD, IDALS	6/18/2019
WRA	Support the Raccoon River Water Quality Master Plan to reduce pollutants and improve the stream corridor stability and environmental functions through implementing sustainable stream restoration measures on Sugar Creek between Mills Civic Parkway and Booneville Road	Waukee, West Des Moines, Dallas SWCD	6/18/2019

The following SRF General Nonpoint Sources applications for land acquisitions by a private entity for future transfer to a public entity which were purchased prior to July 1, 2019 meet the new eligibility restriction established by SF 548 and are recommended for approval by EPC

Applicant	Iowa Natural Heritage Foundation
IUP Year and Quarter	FY 2020 Q2
Purchase Date	5/17/2019
Amount	\$506,437
Project Description	Purchase of 48 acres property along Big Spirit Lake in Dickinson County.
Water Quality Benefit	The Bartels property consists of three row-crop parcels totaling 48 acres, with storm drains and tile outlets draining directly from the property into the Big Spirit Lake. Big Spirit Lake is an Outstanding Iowa Water, a Natural Resources and Conservation Service (NRCS) National Water Quality Initiative (NWQI) priority watershed, and source water for the City of Spirit Lake's drinking water. The property falls within the ¼-mile priority buffer around Big Spirit Lake needed for source water protection. The Bartels property will be restored to wetland and prairie reducing runoff containing nitrogen, phosphorus, sediment, and other pollutants to Big Spirit Lake. Restoring the Bartels cropland to wetland and prairie will help absorb and filter the non-point source pollution that is leading to the high nutrient levels in the lake. This property will be owned and managed by INHF, but this property or portions of this property may be transferred to a public entity in the future.
Applicant	Iowa Natural Heritage Foundation
IUP Year and Quarter	FY 2020 Q2
Purchase Date	5/4/2018
Amount	\$389,610
Project Description	Purchase of 109 acres of property along the Little Sioux River in Woodbury County.

**APPENDIX E
General Nonpoint Source Set-Aside Projects for Approval of Land Purchase**

Per Iowa Administrative Code 567 Chapter 93.7(5) Ineligible costs. Costs for livestock water quality facilities are not eligible under this set-aside and are provided for in rule 567—93.5(455B). Costs for the purchase of land are not eligible costs unless specifically approved by the commission.

Senate File 548, an Act relating to the acquisition, donation, or sale of real property for specific purposes, enacted by the general assembly, includes restrictions on general nonpoint source set-aside funds.

The language in SF 548, Section 455B.29.1, subsection 9, paragraph a (2)-(3), Code 2019, reads as follows:

- (2) On and after July 2, 2019, nonpoint source water pollution control projects for purposes of subparagraph (1), shall not include the acquisition of real property by a private entity for future donation or sale to a political subdivision, the department, or the federal government except as included in subparagraph (3).
- (3) Subparagraph (2) does not apply to the acquisition of land by a private entity intended for such future donation when the private entity acquires any of the following:
 - (a) Only that portion of land on which an edge-of-field practice consistent with the Iowa nutrient reduction strategy is installed to provide water quality benefits beyond the geographic footprint of the practice.
 - (b) Any necessary setbacks to a portion of land included in subparagraph division (a) as authorized by the department.

The language in SF548, Section 455B.295, subsection 2, paragraph a-b, Code 2019, reads as follows:

- a. On and after July 1, 2019, moneys in the revolving loan funds shall not be used to finance, subsidize, or enable the acquisition of real property by a private entity except that moneys in the revolving loan funds may be used to finance or subsidize an acquisition of real property by a private entity that occurred prior to July 1, 2019, or the finance, subsidize, or acquire an edge-of-field practice or setback included in section 455B.291, subsection 9, paragraph "a", subparagraph (3).
- b. For purposes of this subsection, "edge-of-field practice" means a bioreactor, saturated buffer, wetland, or buffer.

Overall, SF 548 has no fiscal impact to the SRF program. In summary, this bill places restrictions on the use of SRF funds by private entities for land acquisitions that are made on and after July 1, 2019. The bill does not restrict the SRF from funding nonpoint source water quality projects that include land acquisition by a private entity if the land acquisition was completed prior to July 1, 2019 or the acquisition is not for future donation or sale to a political subdivision, the department, or the federal government. The bill does not restrict any other eligible uses of the water pollution control fund or other eligible applicants. Since the SRF currently has the capability to fund all eligible projects, monies that would have otherwise been obligated to these land acquisition projects will now become available for other eligible, non-point source projects. Throughout this IUP year, the SRF program will, however, review administrative rules, program policies/procedures, implementation requirements, and outreach materials and update them, when applicable, to accommodate this bill.

Water Quality Benefit	The Horbach property consists of 704 acres of mixed habitat property consisting of woodland, 190-acres of marginal cropland (Average CSR2 of 63.12 and over 85% poorly drained/somewhat poorly drained), two miles of Squaw Creek, and Conservation Reserve Program (CRP) land serving as a buffer for the creek. The additional protection and restoration of the remaining cropland to conservation practices and native perennial vegetation will reduce flooding downstream and reduce the amount of nutrients and sediment entering Squaw Creek. The Horbach property was acquired for \$2,650,000, or \$3,764 per acre, and there is a remaining balance of \$985,000 due to parcels that have already been transferred to the Iowa Department of Natural Resources. The remaining parcels will be transferred to the Iowa DNR.
Applicant	Iowa Natural Heritage Foundation
IUP Year and Quarter	FY 2020 Q2
Purchase Date	11/26/2018
Amount	\$687,000
Project Description	Purchase of 182 acres along the East Fork Des Moines River in Emmet County
Water Quality Benefit	The Hovick property is predominately grassland pasture with 74 acres of row-crop. The average corn suitability rating (CSR2) of the cropland is 66.4. Over a 0.5-mile stretch of the East Fork Des Moines River runs through the middle of the property. Directly upstream by 0.5 miles from the edge of the property is Tuttle Lake, a lake that forms part of the East Fork Des Moines River near its headwaters. The Hovick property provides a highly important and rare chance to protect the East Fork Des Moines River near its source as it crosses into Iowa from Minnesota. Permanent protection of the Hovick property will provide significant water quality benefits by maintaining grassland surrounding the East Fork Des Moines River near its headwaters. The majority of the pasture land falls in the floodplain of the East Fork Des Moines River. The pasture will be restored to remnant prairie and the cropland will be restored to native vegetation along with restoring wetlands in low lying areas of the property. Restoration of the property's cropland will reduce sediment, nitrogen, and phosphorus runoff from the Hovick tract. Additional native vegetation will also result in increased stormwater retention and infiltration which will help reduce flood risks and flash flooding downstream. This property will be transferred to the US Fish and Wildlife Service and managed by the DNR.
Applicant	Iowa Natural Heritage Foundation
IUP Year and Quarter	FY 2020 Q2
Purchase Date	11/20/2018

Water Quality Benefit	The Briese property contains approximately 10 acres of crop land near the river bank, 36 acres of steep upland crop fields (C, E and F slopes), and 63 acres of mixed oak woodland on the Little Sioux River. The crop fields will be restored to native vegetation to and the woodlands will be preserved and maintained. The Little Sioux River drains the largest watershed of any tributary of the Missouri River in Iowa. Protection of the Briese property is critical to the continued protection and expansion of the Little Sioux River Greenbelt that stretches from Highway 20 (Correctionville) south to Little Sioux County Park. Protection of the existing woodland on the Briese property will ensure it permanently provides water quality benefits such as groundwater infiltration and maintaining soil integrity. Planting the crop fields back to native vegetation will help hold soil in place while reducing water runoff, especially runoff from precipitation events that would have eroded soil and caused non-point source pollution. This property will be transferred to the Woodbury County Conservation Board.
Applicant	Iowa Natural Heritage Foundation
IUP Year and Quarter	FY 2020 Q2
Purchase Date	1/7/2019
Amount	\$1,610,000
Project Description	Purchase of 372 acre property along the North River in Warren County.
Water Quality Benefit	The Grossman property contains approximately 325 acres filter strips and pollinator habitat enrolled in the Conservation Reserve Program (CRP). The entire property falls within the North River floodplain and is prone to frequent flooding. The remaining cropped acres were planted to CRP as well. The property has potential for more hydrologic restoration to prevent soil erosion and water runoff that carries non-point source pollution from crop fields. The permanent protection of the Grossman property will provide lasting water quality benefits to the North River floodplain by creating a more natural floodway with increased infiltration during high water events reducing soil loss and nutrient runoff. This property will be transferred to the Iowa DNR.
Applicant	Iowa Natural Heritage Foundation
IUP Year and Quarter	FY 2020 Q2
Purchase Date	8/29/2018
Amount	\$985,000
Project Description	Purchase of 704 acres along Squaw Creek in Warren County

Water Quality Benefit	<p>The Wicks property consists of 28 acres of row crop and 27 acres of woodland and river. This property is within the South Skunk River floodplain, experiencing consistent, significant flooding. The long-term goal of this project is to restore the property's row crop to native prairie and vegetation, improve the water quality along South Skunk River, and reduce flooding both on the property and downstream. Restoration of the Wicks property to native prairie and vegetation will put perennial roots in the ground, ultimately helping to reduce soil loss, nitrate, phosphorus, and other chemical runoff from cropland, due to flooding, increase holding time for water, and allow more water to infiltrate into the soil. The former landowners are excited about the restoration potential and did not want any development on the property, which is why they decided to sell to INHF and Story CCB.</p>
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Amount	\$2,300,000
Project Description	Purchase of 436 acres along the South Skunk River in Story County
Water Quality Benefit	<p>The Longnecker property habitat is a mixture of Conservation Reserve Program (CRP) land, pasture, cropland and woodland. 1¼ miles of the S. Skunk River run through the property, buffered on both sides by 70 acres in CRP wetland restoration in a floodplain (CRP practice CP-23). INHF will work with Natural Resources Conservation Service (NRCS) and Story CCB to develop a conservation and restoration plan for the Longnecker property. Story CCB will restore the remaining cropland to native vegetation and wetlands in addition to maintaining the CRP already in place. The South Skunk River watershed is a part of the USDA Regional Conservation Partnership Program</p> <p>(RCPP). The Midwest RCPP is a collaborative project being led by Iowa Department of Agriculture and Land Stewardship (IDALS), the Iowa Agriculture Water Alliance (IAWA), and the Midwest Agriculture Water Quality Partnership. The focus of this multi-year project is to increase the public-private collaboration to advance a science-based, non-regulatory approach to reducing nutrient loss and improving water quality through the adoption of conservation programs, including wetlands and conservation cover. Restoration of native vegetation and wetlands on the Longnecker property will advance the goal of the RCPP to improve water quality. The protection and restoration of native vegetation on this property will help to manage downstream flooding and reduce the amount of sediment and nutrients entering the South Skunk River. This property will be transferred to the Story County Conservation Board.</p>
Applicant	Iowa Natural Heritage Foundation
IUP Year and Quarter	FY 2020 Q2
Purchase Date	12/14/2018
Amount	\$175,000
Project Description	Purchase of 55 acres along the South Skunk River in Story County



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I. STATE FISCAL YEAR 2020 PLAN OF ACTION

The plan is based on anticipated use of new and revolved funds available in the DWSRF for construction of treatment plants or improvements to existing facilities, water storage facilities, wells, and source water protection efforts.

The SFY 2020 Plan of Action covers the following areas:

- DWSRF goals and objectives
- Current and projected financial capacity of the DWSRF
- Financial management strategies
- Plan for the SFY 2020 project priority list
- Plan for use of DWSRF set-aside funds
- Plan for use of administrative accounts

DWSRF Goals and Objectives

The primary long-term goal of the Iowa DWSRF is to support the protection of public health through a perpetual program of financial assistance for the purposes of ensuring the provision of an adequate quantity of safe drinking water to consumers of public water supplies, protecting source water for drinking water systems, and ensuring the long-term viability of existing and proposed water systems.

The SFY 2020 short-term goals and objectives are as follows:

- Goal: Commit loan funds to as many recipients as possible in accordance with the state priority rating system, the IUP, staff resources, and available funding. *Objective: During SFY 2020, quarterly updates to the IUP will be prepared to add projects and update program financial information.*
- Goal: Ensure that borrowers are able to provide safe drinking water at a reasonable cost for the foreseeable future. *Objectives: During SFY 2020, viability assessments will be completed by each applicant and reviewed by SRF staff prior to signing of the loan agreement. Systems determined nonviable or systems with EPA's Enforcement Targeting Tool (ETT) scores above 1.1 will be provided with an enforceable compliance schedule listing all actions that must be completed to return the system to viable status. Extended term financing will be offered to disadvantaged communities. SRF staff will coordinate efforts with other funders such as the Community Development Block Grant program. We*

will continue to educate and inform public water supplies, engineering consultants, and financial advisors on the financing savings available by using the DWSRF.

- Goal: Require applicants to engage a registered Municipal Advisor (MA). Objective: During SFY 2020, all applicants submitting an Intended Use Plan application must demonstrate that they have hired an MA to assist with cash flows, rate setting, debt service coverage, and other financial aspects of their water utility. The reports provided by the MAs will be used in the viability assessment review.
- Goal: Implement the "Use Of American Iron and Steel (AIS)" requirements enacted by Congress on January 17, 2014. Objective: During SFY 2020, SRF staff will help applicants determine eligibility for the exemptions and waivers provided for in the Act and EPA guidance. SRF staff will provide information to those applicants required to comply on necessary documentation and inspection procedures. SRF will engage DNR Field Office staff to conduct site visits and provide technical assistance.
- Goal: Apply additional subsidization available in FFY 2018 and FFY 2019 Capitalization Grant to disadvantaged community projects and public health projects. Objective: During SFY 2020 SRF staff plans to approve plans and specifications and execute loans or loan amendments with loan forgiveness for the amounts required in the FFY 2018 and FFY 2019 Cap Grant.
- Goal: Promote and identify sustainable practices in projects proposed for funding. Objective: During SFY 2020 SRF staff will provide information on the EPA's Sustainability Policy to applicants and include sustainability features in project descriptions.

- Goal: Comply with grant reporting conditions. Objective: During SFY 2020, the Iowa SRF plans to enter data into the DWSRF National Information Management System (NIMS) and the DWSRF Projects & Benefits Reporting (PBR) system.

- Goal: Comply with EPA guidance on reporting under the Federal Funding Accountability and Transparency Act (FFATA). Objective: In the Annual Report, SRF staff will list loans that met the several requirements of FFATA for open Capitalization Grants. Grants may not be closed out until equivalency amounts can be reported.

- Goal: Comply with the EPA Signage Guidance. Objective: During SFY 2020 SRF staff and recipients will notify the public in the most effective ways possible about assistance agreements and benefits of the DWSRF program in order to enhance public awareness of EPA assistance agreements nationwide. The Iowa SRF program sends out press releases listing all SRF loans that have closed and borrower contact information.

Additional long-term goals include:

- Goal: Prioritize the provision of funds, to the extent practicable, to projects that address the most serious risk to human health and are necessary to ensure compliance with the national primary drinking water standards. Objectives: Priority will be assigned to projects that address human health risks or compliance issues by the provision of points assigned during the DWSRF scoring process as outlined in 567 IAC Chapter 44.
- Goal: Apply program requirements that are simple and understandable and do not add unnecessary burdens to applicants or recipients. Objectives: During SFY 2020 SRF staff will continue to assist

applicants with completing the federal cross-cutting requirements for environmental and historical review. Staff will not be responsible for Davis-Bacon compliance but will advise borrowers as needed. Borrowers will be responsible for compliance and may hire outside consultants to assist.

- Goal: Continue the option of extended financing terms for DWSRF infrastructure projects. Objective: During SFY 2020 this option will be offered to current and new projects on the project priority list. Applicants seeking extended financing must complete a worksheet outlining the anticipated life of the project components, which can be averaged to determine the extended term.
- Goal: Maintain mechanisms for funding the on-going administration of the program if federal funding is reduced or eliminated. Objective: During SFY 2020 initiation and servicing fees will be collected on DWSRF loans for deposit to administrative accounts. SRF staff will develop short and long-term plans for administrative budgets.
- Goal: Manage the DWSRF to maximize its use and impact through sound financial management. Objective: During SFY 2020 SRF staff and financial advisors will continue to conduct financial analysis and develop innovative approaches to financial management.
- Goal: Implement programs that effectively address water system needs and target appropriate audiences. Objective: During SFY 2020 SRF staff will continue to educate users and potential users about the program offerings through presentations, displays, program materials, and the IowaSRF.com website.
- Goal: Update the DWSRF Operating Agreement. Objective: In the future, SRF staff will work with EPA Region 7 to update the Drinking Water SRF Operating Agreement between DNR and EPA. The agreement has not been updated since 2007 and the EPA is evaluating the future use of Operating Agreements in Region 7 states.

Current and Projected Financial Capacity of the DWSRF

Appendix A, the Estimated Sources and Uses table, shows that available funds are sufficient to fund current requests.

SRF staff has analyzed the future financial capacity of the DWSRF. Assuming continued Cap Grants, taking the full 31% set-asides and 26% loan forgiveness, and the same interest rates, it is projected that the DWSRF could loan an average of \$1.56 million per year over the next 10 years, or a total of \$15.6 billion. If we assume no additional Capitalization Grants but keep the same interest rates and the other assumptions, the DWSRF could loan an average of \$132 million per year over the next 10 years. Those amounts would increase if we were to increase our interest rate.

Financial Management Strategies

The DWSRF Project Priority List (attached) show total loan requests for water supply projects. Because many of these projects are in the planning phase, they are not expected to sign a binding loan commitment during this fiscal year. The projected timing and demand for loan draws is reflected in the sources and uses table (Appendix A).

Iowa will apply for the FFY 2019 Capitalization Grant. State match bonds are issued at the same time that leveraged bond issues are done for greater cost effectiveness. The last leveraged bond, issued in 2019, included the estimated state match for FFY 2019 Cap Grant.

The cash draw procedure used is the direct loan method. State match is fully disbursed prior to drawing EPA Capitalization Grant funds. The EPA Capitalization Grant funds will be drawn at a 100% proportionality ratio. Iowa's bonds are cross-collateralized across both the Clean Water and Drinking Water SRF accounts.

SFY 2020 Project Priority List

The management of the DWSRF program, including development of a project priority list for financing assistance, was developed according to Part 567 of the Iowa Administrative Code (IAC), Chapter 44. This IUP indicates the intent to provide funds to projects ranked in priority order according to scoring criteria contained in Chapter 44 of the IAC.

In the event that projects identified for funding in the IUP do not attain readiness for a loan commitment by projected dates, these delayed projects may be bypassed. Other projects may be added to the project priority list to be funded based on the State's implementation rules for the DWSRF program (567 IAC 44). Applications that are in excess of available DWSRF assistance may be placed on Contingency status according to priority.

Projects will be funded as ranked on the project priority list. Adjustment to the list of fundable projects will be made, if necessary, to assure that at least 15% of the project funds are available to systems serving fewer than 10,000 persons as specified in Section 1452(a) (2) of the Act. Financing may be provided for up to 100% of project costs if the costs are eligible for funding based on engineering, environmental, and financial review and project readiness to proceed as described above.

Due to the project workload and for planning purposes, the DWSRF staff may evaluate projects that have been on the IUP list for more than three years. A notification will be sent to the applicants that their project may be dropped if there is no progress in the six months following the notice. If a project is dropped, the applicant may reapply when the project is ready to move ahead.

For program planning purposes, the fundable projects are further identified as "R – ready for loan" (indicating that the construction permit and environmental review have been completed), and "P – in planning."

The following categories of projects will be included for funding during SFY 2020:

Unfunded Prior Years' Projects- All projects from prior years that have not entered into a binding commitment are included in this IUP.

Segments of Previously Funded Projects- State rules provide that subsequent segments of a project which has previously received funding priority or assistance be placed on the project priority list with the original project score.

New Projects- New applications for assistance during SFY 2020 will be added to the project priority list. Applications will be accepted on a continuous basis and quarterly updates completed as needed.

Supplemental Financing- Supplemental financing for projects listed in previously approved IUPs are added to the IUP as they are requested unless the additional funds will be used for improvements that would significantly change the scope of the project. Additional environmental review may be required. Supplemental loans will not be provided for changes that would lower the original score of the project to a point where the application is no longer competitive or is ineligible for funding.

Planning and Design Loans- Requests for planning and design loans are listed on the project priority list but have not been assigned priority points.

Source Water Protection Loans- All outstanding requests for source water protection loans have been satisfied and applications are no longer being taken. Source water loans are not eligible projects under the regular DWSRF loan program.

Capitalization Grant Requirements- The FFY 2016 - 2019 Capitalization Grants include congressional requirements for minimum and maximum percentages of the funds to be allocated for additional subsidization. Iowa will comply with these requirements. In the FFY 2019 Cap Grant, the Safe Drinking Water Act (SDWA) requires an additional 6% of Cap Grant dollars to be allocated for additional subsidization to Disadvantaged Communities (DAC).

The specific projects that have received add subs are listed in Appendix C, as well as new criteria for loan forgiveness eligibility. Additional projects identified for loan forgiveness to meet the FFY 2018 and FFY 2019 Capitalization Grant requirements will be listed on the DWSRF Project Priority List (Chart 1). Time limits may be established for loan commitments in order to apply loan forgiveness awards.

	Add Subs Rqd.	Add Subs Actual	%	DAC Req'd.	DAC Actual	%
2016	\$ 2,486,400	\$ 2,490,000	100%	N/A	N/A	N/A
2017	\$ 2,465,200	\$ 2,251,701	102%	N/A	N/A	N/A
2018	\$ 3,469,577	\$ 2,651,369	76%	N/A	N/A	N/A
2019	\$ 3,486,400	\$	0%	\$ 1,045,920	\$	

II. INFORMATION ON THE DWSRF ACTIVITIES TO BE SUPPORTED

Allocation of Funds

Allocation of funds to eligible projects is based on a three-step process:

1. The amount of financial assistance needed for each application is estimated
2. The sources and spending limits for all DWSRF Funds are identified
3. The DWSRF funds are allocated among the projects, consistent with the financial assistance needed

Information pertinent to each DWSRF project is contained in the attached Project Priority List.

Sources and Uses of Available DWSRF Funds

Appendix A to the Intended Use Plan illustrates potential sources and uses of funds in the DWSRF for SFY 2020. As shown, all pending loan requests and program administration needs can be funded. Projects will draw on their funding at different intervals based on their construction cycles. These differences are used to estimate cash needs throughout the year. Appendix A will be updated quarterly as needed to provide an ongoing view of the financial plan for meeting loan requests.

The Iowa DWSRF program uses its equity fund to originate loans. When the number of loans that have been made creates a need for additional funds, IFA issues bonds (annually or as needed), backed by those DWSRF loans, and uses the bond proceeds to replenish the equity fund. These bond issues include the state match for the next federal Capitalization Grants. On February 26, 2019, IFA issued \$258,005,000 of SRF bonds. Of that amount, \$9,208,600 was for Clean Water state match and \$7,667,200 was for Drinking Water state match and was deposited in the respective state match accounts on that date. The FY19 Clean Water cap grant was matched with \$4,301,000 and the FY19 Drinking Water cap grant was matched with \$3,486,400.

The remainder of the match funds will be used for the FY20 cap grants. After the bonds are issued, the state match is spent first so the Cap Grant can be drawn down at 100% when it is received. All state match funds have been disbursed to loan recipients.

DWSRF Loan Policies

Project Scope. The scope of the project must be outlined on the Intended Use Plan application and in the preliminary engineering report. Changes to the scope are allowed prior to loan closing. Significant changes in scope may cause delays if additional work is required by the project manager or environmental review specialist. Once a loan is signed, only minor changes to the scope will be allowed and only if they do not require additional technical or environmental review.

Loan Interest Rates. The interest rate for DWSRF construction loans are shown in the table below:

Loan Term	Applicant Type	Interest Rate	Servicing Fee	Total	Additional Information
Standard (up to 20 years)	All	1.75%	0.25%	2.00%	
Extended (21 to 30 years based on useful life)	Disadvantaged	1.75%	0.25%	2.00%	Please see below, "Extended Financing and Disadvantaged Status," for an explanation.
Extended (21 to 30 years based on useful life)	All	2.75%	0.25%	3.00%	Please see below, "Extended Financing and Disadvantaged Status," for an explanation.

Interest rates for DWSRF planning and design loans will be 0% for up to three years.

Loan Fees. A 0.5% origination fee is charged on the full loan amount for new DWSRF construction loans and source water protection loans, with a maximum amount of \$100,000. No origination fees will be charged on planning and design loans. A .25% servicing fee will be charged on construction loans. Payment of the loan servicing fee is semi-annual with interest payments for all new SRF loans. Loan servicing fees are only charged on the principal amount disbursed during construction (not the entire original loan amount).

Maximum Financing. There is no maximum financing amount.

Project Readiness. Applicants cannot be offered assistance until they meet program requirements.

Funding Limitations. All program requests for disbursements from DWSRF projects can be met. These estimates are based on the projections that, for projects that have completed program requirements and are ready for funding, 70% of the loan amount will be disbursed this fiscal year. For projects that are currently in the planning phase but may be ready for funding during SFY 2020, it is projected that only 60% of total funds will be disbursed to the project this fiscal year.

Extended Financing and Disadvantaged Status. The Iowa SRF can provide extended terms for a loan to any borrower as long as the extended term does not terminate more than 30 years after project completion and the loan term does not exceed the expected design life of the project. For borrowers designated as

disadvantaged, the interest rate on extended term loans will be 1.75%. For non-disadvantaged borrowers, the interest rate will be 2.75%.

Extended term loans are limited to public water supply infrastructure improvements. Only those portions of a project that have a design life or life cycle exceeding 20 years are eligible for extended terms. The department will use the table of estimated useful lives from EPA's publication 816-R-03-016 to determine the length of the loan for eligible expenses. The consulting engineer for the project will be required to separate and itemize costs so that a weighted maturity may be calculated for loan repayment. The list of itemized costs and expected useful lives will be required prior to signing of the loan agreement.

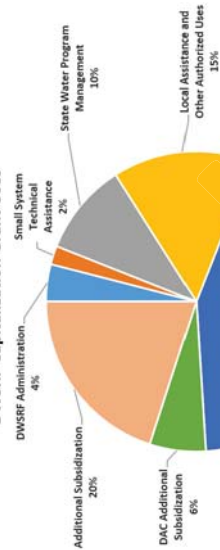
The Safe Drinking Water Act defines a disadvantaged community as the service area of a public water system that meets affordability criteria established after public review and comment. Community public water systems serving populations that contain a majority (51 percent) of Low to Moderate Income (LMI) persons will be considered disadvantaged for the purpose of receiving the 1.75% interest rate on an extended term loan. This criterion does not apply to any other DWSRF assistance such as additional subsidization. Low to moderate income is defined as 80 percent of the median household income in the county or state (whichever is higher) using the most recent federal census or income survey data. Privately owned community public water systems will be considered eligible for disadvantaged community status if an income survey indicates that the service area meets the LMI criteria. Rural water systems will be considered eligible for disadvantaged community status if an income survey indicates that the area benefiting from the improvements meets the LMI criteria. Income surveys must be done according to the protocol specified by the Community Development Block Grant program.

Intended Use of Set-Asides

States are allowed to take or reserve set-aside amounts from each Federal Capitalization Grant for a number of activities that enhance the technical, financial, and managerial capacity of public water systems and protect sources of drinking water. The use of the set-asides as well as the loan program is intended to carry out Iowa's goal of ensuring that the drinking water received by 92% of the population served by community water systems meets all applicable health-based drinking water standards through approaches including effective treatment and source water protection.

The amounts are subject to approval by EPA of program workplans. The DNR is following the SFY 2020 workplan. Iowa plans to take or reserve the allowed amount in each set-aside as shown in the chart.

DWSRF Capitalization Grant Uses



DNR has two options for addressing the amounts available each year in set-asides. Set-aside funds may be reserved for future use (except for the Local Assistance and Other Authorized Uses set-aside), in which case they would be deducted from a future Capitalization Grant when they are ready to be taken. Funds that are taken from an available Capitalization Grant must be applied to planned work efforts approved by EPA.

In recent years, DNR has been using the set-asides and drawing upon reserved funds as needed to meet the needs for programs and efforts required by EPA that are critical for ensuring public health. Once the reserved amounts are expended, the amounts available for each set-aside will be limited to the percentage allowed out of each Capitalization Grant.

DWSRF Program Administration Set-Aside. Iowa intends to use this set-aside including loan administrative fees to pay the costs of administering the State Revolving Fund loan program. Among the uses for the set-aside are:

- Portfolio management, debt issuance, and financial, management, and legal consulting fees
- Loan underwriting
- Project review and prioritization
- Project management
- Environmental review services
- Technical assistance to borrowers
- Database development and implementation
- Program marketing and coordination
- Drinking Water Infrastructure Needs Survey

Unused commitments are reserved for use in future years as necessary.

Small System Technical Assistance Set-Aside. Iowa intends to use DWSRF funds equivalent to 2% of the federal Capitalization Grant funds to provide technical assistance to public water supplies (PWSs) serving populations of less than 10,000.

Funds from this set-aside will be used this year to provide support for the operator certification program

including the administration and proctoring of examinations in all six regions of the state, and to provide training for new Grade A water system operators and continuing education for existing Grade A water system operators. Grade A is the certification grade for the smallest public water supply systems, with only disinfection treatment. Unused commitments are reserved for use in future years for DNR staff and other purposes as necessary.

State Program Support Set-Aside. The primary uses of this set-aside are to assist with the administration of the Public Water Supply Supervision program, to review engineering documents for non-DWSRF construction projects, to provide wasteload allocations at public water systems with loans, and to evaluate disinfection contact time determinations, approve corrosion control strategies, and make influenced groundwater determinations.

Other uses include:

- Updating the SDWIS database including support systems and provide compliance determinations and information technology database support
- Adopting rules and revisions to the Iowa Administrative Code

Starting with the FFY 2017 Capitalization Grant, as amended through the Water Infrastructure Improvements for the Nation Act of 2016, a 50% state match for the State Program Support Set Aside is no longer required. Unused commitments are reserved for use in future years for DNR staff and other purposes as needed.

Other Authorized Activities Set-Aside. The two primary uses of this set-aside are capacity development and source water protection (SWP).

Funds are budgeted for efforts related to developing technical, managerial, and financial capacity for Iowa's public water supplies, including:

- Completion of sanitary surveys with the eight elements and providing direct capacity development technical assistance
- Training of inspectors in comprehensive performance evaluation protocols
- Provision of technical assistance related to capacity development through the area wide optimization program (AWOP)
- Contracts with five counties to complete sanitary surveys and conduct annual visits at transient non-community public water supply systems
- System-specific capacity development assistance by contractor, including promotion of asset management planning

The SWP activities include the following:

- Coordination and administration of the Source Water Protection program
- Contracts for services to develop SWP plans and review implementation of Best Management Practices
- Development of data for Phase 1 SWP assessments for all new systems and new wells at existing public water supply systems
- Technical assistance for well siting
- Maintenance of the *Source Water Mapper and Tracker* online database

Plan for Use of Administrative Accounts

There are three distinct funding sources for DWSRF administrative expenses:

- The DWSRF administrative set-aside. Four percent of the cumulative amount of federal Capitalization Grants received may be used for program administration as discussed in the set-aside section above.
- Loan initiation fees. A 0.5% loan origination fee is charged on new DWSRF loans.
- Loan servicing fees. A fee of 0.25% on principal is charged on DWSRF loans.

The U.S. EPA issued fee guidance in March 2017 with a matrix showing the relationship between how fees are assessed and for what purposes they can be used. The following table shows how Iowa's fee policies comply with the guidance:

EPA Fee Category	Allowable Uses	Iowa DWSRF Fee Policy	Iowa DWSRF Fee Usage
Fees not included as principal and deposited into the Fund	Authorized uses of the Fund	N/A	N/A
Fees not included as principal and deposited outside the Fund	<ol style="list-style-type: none"> 1) Fund administration 2) All other Capitalization Grant purposes under SDWA 1452 3) State match for the Capitalization Grant 	Iowa charges a 0.25% servicing fee annually on outstanding principal. The funds are deposited outside the Fund.	Iowa uses servicing fees collected during the time the Capitalization Grant is open for administration of the DWSRF program. Servicing fee receipts collected after the Cap Grant is closed are used for other purposes under SDWA 1452.
Fees included as principal and deposited outside the Fund	<ol style="list-style-type: none"> 1) Fund administration 2) All other Capitalization Grant purposes under SDWA 1452 3) Cannot be used for state match for the Capitalization Grant 	Iowa charges a 0.5% initiation fee on all new loans which is included in loan principal. The fees are deposited outside the Fund.	Iowa uses initiation fee receipts for administration of the DWSRF program.
Fees included as principal and deposited into the Fund	Authorized uses of the Fund	N/A	N/A

Fees Included as Principal. As of April 2019, there was approximately \$5.2 million in the fee account from fees included as principal and deposited outside the fund (the initiation fee). A portion of these funds will be used in SFY 2020 for program administration, and the remainder will be reserved for future administrative expenses.

Fees Not Included as Principal. As of April 2019, there was \$8.6 million available from fees not included as principal and deposited outside the fund (servicing fee). A portion of these funds may be used in SFY 2020 to fund some of the activities completed under the State Program Management set-aside.

SEE Salary Funds Deducted from Cap Grant

The Iowa DNR may request U.S. EPA to deduct funds from FFY 2019 Capitalization Grants which could be included in Iowa's next grant applications to EPA after receiving notification of availability of the funds. These positions could be filled by EPA Region 7 and assigned to the DNR's Water Supply engineering section to provide administrative assistance to the DWSRF projects and program. The SEE enrollees could help provide staffing at Iowa DNR to maintain the DWSRF program and keep up with the increasing DWSRF project administrative work load. Authorized under the Environmental Programs Assistance Act of 1984 (PL 98- 313), the SEE program is intended "to utilize the talents of older Americans in programs authorized by other provisions of law administered by the Administrator in providing technical assistance to Federal, State, and local environmental agencies for projects of pollution prevention, abatement, and control."

Plan for Efficient and Timely Use of DWSRF Funds

In recent years, the processes of the DWSRF have been streamlined, and the marketing and education enhanced. These improvements have resulted in more efficient and timely use of the DWSRF and full utilization of available funds. In particular, Iowa applies for and draws federal Capitalization Grants as expeditiously as possible. Iowa's DWSRF disbursements averaged \$4 million per month over the last 5 years. During the first 10 months of SFY 2019, the monthly disbursement averaged \$2.5 million.

Rather than doing one annual funding solicitation, with a discrete set of projects identified for funding that year, the Iowa SRF does quarterly updates to its Intended Use Plan. This creates a continuous pipeline of projects at different stages of readiness. Communities determine when they need their funding; the program does not set deadlines on loan execution as long as projects are making progress toward a loan.

With a return of \$2.95 for every dollar of federal investment (compared to the national average of \$1.95), Iowa's DWSRF is an efficient and effective delivery mechanism for water infrastructure funding.

DWSRF set-asides are typically fully utilized within a two-year planning and budgeting period. Iowa draws grant funds on a first-in, first-out basis in order to close out the Capitalization Grants. Due to increased water program budget needs and reduced funding from other sources, Iowa is spending reserved set-aside capacity at a faster rate than in the early years of the DWSRF program.

III. ASSURANCES AND SPECIFIC PROPOSALS

Iowa will provide the necessary assurances and certifications according to the Operating Agreement between the State of Iowa and the U.S. EPA.

IV. CRITERIA AND METHOD FOR DISTRIBUTION OF FUNDS

The following approach was used to develop Iowa's proposed distribution of DWSRF funds: (1) analysis of the priority of communities applying and financial assistance needed; (2) identification of the sources and spending limits of available funds; (3) allocation of funds among projects; (4) development of a payment schedule which will provide for making timely binding commitments to the projects selected for DWSRF assistance; and (5) development of a disbursement schedule to pay the project costs as incurred.

Priority of Communities and Financial Assistance Needed

Iowa law provides only for loan assistance. Additional subsidization required by the FFY 2018-2019 Capitalization Grants will be through forgivable loans. The state's DWSRF rules identify the priority rating system used to establish priorities for financial assistance.

Projects are considered eligible for financial assistance for all planning and project costs providing the project is on the project list of an approved IUP.

Allocation of Funds among Projects

All projects listed in the Project Priority List are eligible for assistance and may be funded from the DWSRF subject to available funds.

All projects scheduled for funding with Iowa's DWSRF will be reviewed for consistency with the Safe Drinking Water Act, as amended. Should a project fail to meet this review criterion, it may be bypassed or deleted from the funding list. Projects may be added to the Project Priority List in priority order as applications are received.

V. METHOD OF AMENDMENT OF THE INTENDED USE PLAN

The State will follow this IUP in administering DWSRF funds in SFY 2020. Federal and state law requires, and Iowa welcomes, opportunity for public participation in the development of the IUP. Any revisions of the goals, policies and method of distribution of funds must be addressed by a revision of the IUP, including public participation. Minor adjustments in funding schedules, loan amounts, and use of bypass provisions including funding of projects on the contingency list are allowed by the procedures of this IUP and state rules for administration of the DWSRF without public notification. Adjustments to the Project Priority List to utilize actual funds available to the DWSRF for SFY 2020 will be considered minor and only affected applicants will be notified. Public notice of amendments will be made if municipalities are added to or removed from the Project Priority List.

VI. PUBLIC REVIEW AND COMMENT

A public meeting to allow input to Iowa's SFY 2020 IUP and Project Priority List was held May 9, 2019, 10:00 a.m., at the Wallace State Office Building, Conference Room 4W, 502 E. 9th Street, Des Moines. This meeting was announced in a notice provided to stakeholder organizations representing city officials, consulting engineers, county governments, councils of government, area planning agencies, and other groups which might have an interest. There were no attendees. The public comment period was open until May 16, 2019. There were no written comments.

A public meeting to allow input to Iowa's SFY 2020 Q2 IUP and Project Priority List was held August 8, 2019, 10:00 a.m., at the Wallace State Office Building, Conference Room 5E, 502 E. 9th Street, Des Moines. This meeting was announced in a notice provided to stakeholder organizations representing city officials, consulting engineers, county governments, councils of government, area planning agencies, and other groups which might have an interest. There was one attendee but no comments were taken for the record. The public comment period was open until August 15, 2019. Written comments were received by the EPA and IFA and have been incorporated into this update.

VII. PROJECT PRIORITY LIST

The DWSRF Project Priority List is included in a separate, sortable Excel file.

APPENDIX A

**Iowa DWSRF State Fiscal Year 2020 Q2
Estimated Funding Sources and Funding Uses
As of 7/18/19**

Funding Sources for Loans

Funds Available in Equity Fund, Bond Proceeds and Program Accounts	\$131,236,000 *
FFY 2019 Capitalization Grant	\$12,028,000 **
State Match Bond Proceeds for FFY 2019/20 Capitalization Grants	\$0 **
Issuance of Leveraged Bonds (Next Bond Issue Expected SFY 2021)	\$0
Equity Fund and Program Interest Earnings	\$270,000
Loan Repayments	\$45,522,000
Total Funding Sources for Loans	\$189,056,000

Funding Uses for Loans

Undisbursed Amounts Committed to Existing Loans (75% disbursement rate)	\$61,209,000
Project Requests (FNS/CX issued; 70% disbursement rate)	\$55,108,000
Project Requests (FNS/CX not issued; 60% disbursement rate)	\$40,421,000
Planning & Design Requests (50% disbursement rate)	\$1,376,000
Principal Payments on Outstanding Bonds	\$17,065,000
Interest Payments on Outstanding Bonds	\$13,877,000
Total Funding Uses for Loans	\$189,056,000

* Funds Available for disbursements as of 7/18/19

** Estimated amount

*** Loan disbursement rates are estimated based on previous experience with project pace. For projects that currently have not had a Finding of No Significant Impact or Categorical Exclusion issued, it is expected that up to 60% of the total project amounts may be disbursed during SFY 2020 once environmental review is completed, construction permit issued, and binding loan commitment signed. For those projects with FNS/CX clearance, the disbursement rate is estimated at 70% of the loan request amount.

All amounts rounded to the nearest \$1,000

Funding Sources for Set Asides (Includes FFY 2018 & previous Cap Grants)

Administration	\$462,000
Small Systems Technical Assistance	\$157,000
State Program	\$1,098,000
Other Authorized Activities	\$1,898,000
Total Funding Sources for Set-Asides	\$3,615,000

Funding Uses for Set Asides

Administration	\$462,000
Small Systems Technical Assistance	\$157,000
State Program	\$1,098,000
Other Authorized Activities	\$1,898,000
Total Uses for Set Asides	\$3,615,000

**APPENDIX B
PROCEDURES TO DETERMINE PROJECT PRIORITY LIST**

Project rankings were determined by the following procedures:

- Eligibility of applications were determined by needs criteria identified in IAC 567—44.7(8). In general, most water source, treatment and distribution system improvements are considered eligible.
- Project applications received during the SFY 2019 application period were considered for funding in SFY 2019; if not funded by the end of SFY 2019, these projects will be moved to the SFY 2020 project priority list.
- The priority ranking is a total score developed using the scoring criteria listed in IAC 567—44.7(8). Points may be gained in each of five categories: Water Quality and Human Health Risk-Related Criteria (60 point maximum), Infrastructure and Engineering-Related Improvement Criteria (35 point maximum), Affordability Criteria (10 point maximum), Special Category Improvements (15 point maximum), and Iowa DNR Adjustment Factor for Population (10 points). The combined score provides a numerical measure to rank each project within its pool. A project with a larger number receives higher priority.
- The final project priority list for a fiscal year's project pool is compiled in the following manner: Subsequent segments of projects funded by DWSRF loan programs of previous years will retain their original score and be added to the list of the current year's applications.
- Loan-eligible projects submitted will be placed on the IUP each calendar quarter. If the project is anticipated to proceed during SFY 2020, the project will be added to the project priority list and the list will be made available for public comment at the end of each calendar quarter in which one or more projects are added to the list.
- Projects on the project priority list will be moved to contingency status if the total amount of needs exceeds the year's DWSRF staff resources capability and loan funding. Projects will be funded from the top down in the ranking order of the project priority list with consideration given to readiness to proceed. Projects are ranked similarly in the contingency project list. Projects on contingency status can be moved to the funding list when funds are available or when the project is ready to proceed. Funds can be made available due to a number of reasons including project bypasses, loan application withdrawal of other projects, reduction in loan amount requests, or an increase in available funds.

**APPENDIX C
BORROWERS RECEIVING ADDITIONAL SUBSIDIZATION OR COUNTED FOR GREEN PROJECT RESERVE**

Loan forgiveness in the DWSRF program has been provided for four categories of projects through FY 2018 Cap Grant:

- Public Health (PH)
- Green Projects (G)
- Disadvantaged Communities (D)
- Emergency Power Generation (EP)

Beginning in FY 2019 Cap Grant, loan forgiveness will be offered only to the Public Health (PH) category. If selected, eligible projects addressing imminent health issues will receive up to 50% loan forgiveness and up to an additional 25% will be offered to those public health projects that choose the option of hooking onto another viable public water supply system to address their imminent public health issue.

The FY 2019 Cap Grant also requires that an additional 6% of the state's allocation be used to provide loan forgiveness to Disadvantaged Communities (DAC).

Construction must begin within 24 months of the EPC approval of the applicable IUP or the loan forgiveness offer will be withdrawn. Extensions may be granted at the discretion of the SRF Program Coordinators.

Type	Project	Loan Amount	Amount Green Project Reserve	Amount Additional Subsidization	DAC Additional Subsidization	Grant Year Reported
PH	Amana	5,400,000		2,490,000		2016
PH	Amana	5,400,000		1,301,691		2017
G	Sabula	550,000	550,000	101,460		2017
PH	Lacina Meadows	945,000		708,750		2017
EP	Osceola RW	3,719,000		64,800		2017
EP	Oelwein	1,462,000		75,000		2017
PH	Bellevue	2,200,000		1,650,000		2018
PH	Gallery Acres	1,184,000		888,000		2018
EP	Lyon-Sioux RWS Rock Rapids	90,163		67,622		2018
G	Cushing	61,100	18,330	18,330		2018
EP	Cushing	36,555		27,416		2018

State of Iowa FFY18 Nonpoint Source Management Plan Progress Report

September 17, 2019 EPC Meeting

Presented by: Allen Bonini, Supervisor
DNR Watershed Improvement Section



Overview

- Background
- Goal Scorecard
- DNR/Section 319 Highlights



IA Nonpoint Source Management Plan

- Required by Section 319 – CWA
- Condition of Iowa Receiving 319 Grant \$
- Outlines Goals, Objectives, Action Steps and Milestones
- Guides 319 Program Priorities and Funding
- Core Partners: DNR, IDALS, ISU, NRCS, CDI
- Updated every 5 Years



FY18 Nonpoint Source Management Plan Progress Report

Objective	Status	Description
Goal 1	↗	Build Partnerships to enhance a collaborative watershed approach to NPS water pollution
Goal 2	↗	Improve technical assistance, outreach and education to facilitate NPS assessment, planning and implementation
Goal 3	↗	Science-based performance measures
Goal 4	↔	Funding
Key: ↗ Making progress ↔ Needs more attention		



FY18 DNR/Section 319 Highlights

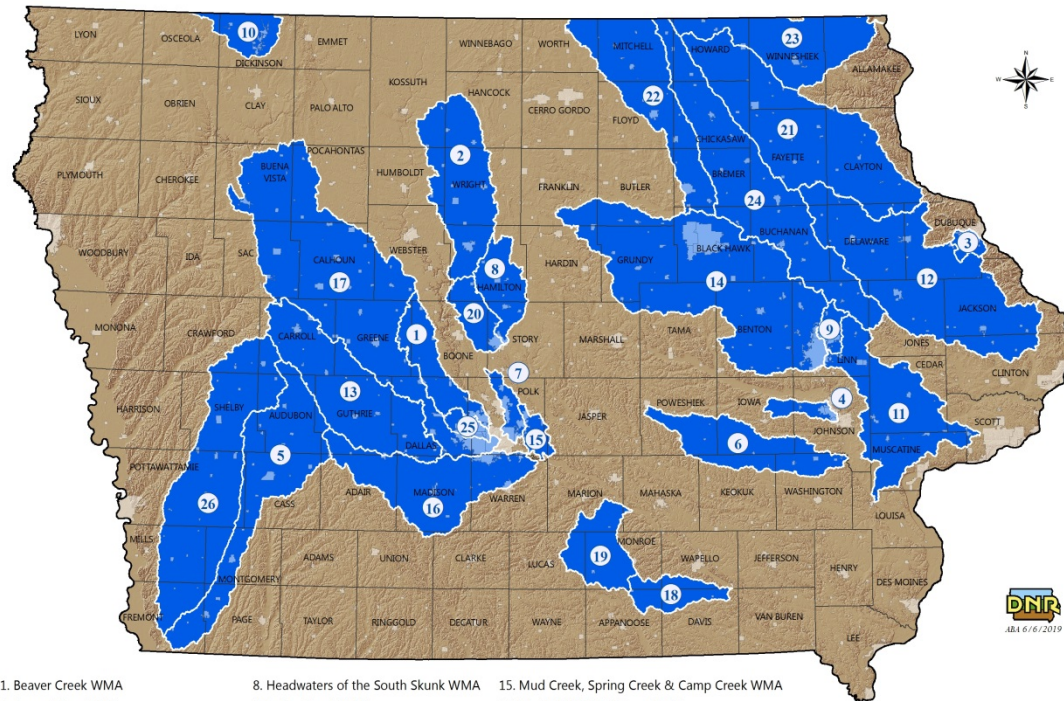
Goal 1 – Building Partnerships

26 WMAs have formed since 2012

2 added in FFY18

3 additional in 2019

IOWA'S WATERSHED MANAGEMENT AUTHORITIES



- | | | |
|----------------------------------------|---------------------------------------|--------------------------------------------------------|
| 1. Beaver Creek WMA | 8. Headwaters of the South Skunk WMA | 15. Mud Creek, Spring Creek & Camp Creek WMA |
| 2. Boone River WMA | 9. Indian Creek WMA | 16. North & Middle Rivers WMA |
| 3. Catfish Creek WMA | 10. Little Sioux Headwaters Coalition | 17. North Raccoon River Watershed Management Coalition |
| 4. Clear Creek Watershed Coalition | 11. Lower Cedar WMA | 22. Upper Cedar River WMA |
| 5. East Nishabotna Watershed Coalition | 12. Maquoketa River WMA | 23. Upper Iowa River WMA |
| 6. English River WMA | 13. Middle-South Raccoon WMA | 24. Upper Wapsipicon River WMA |
| 7. Fourmile Creek WMA | 14. Middle Cedar WMA | 25. Walnut Creek WMA |
| | | 26. West Nishabotna Watershed Coalition |

clean water starts with you.



FY18 DNR/Section 319 Highlights

Goal 1 – Building Partnerships



FY18 DNR/Section 319 Highlights

Goal 2 – TA and Outreach

New

Clean Water Ed Campaign grants program

- RFP in July 2018
- \$150K available
- 40% match
- 6 applications
- Total ask = \$285K
- 2 grants awarded in Sept. '18



Raising the Urban Soil Health IQ
in the Lower Iowa River Watershed



The Rain Campaign



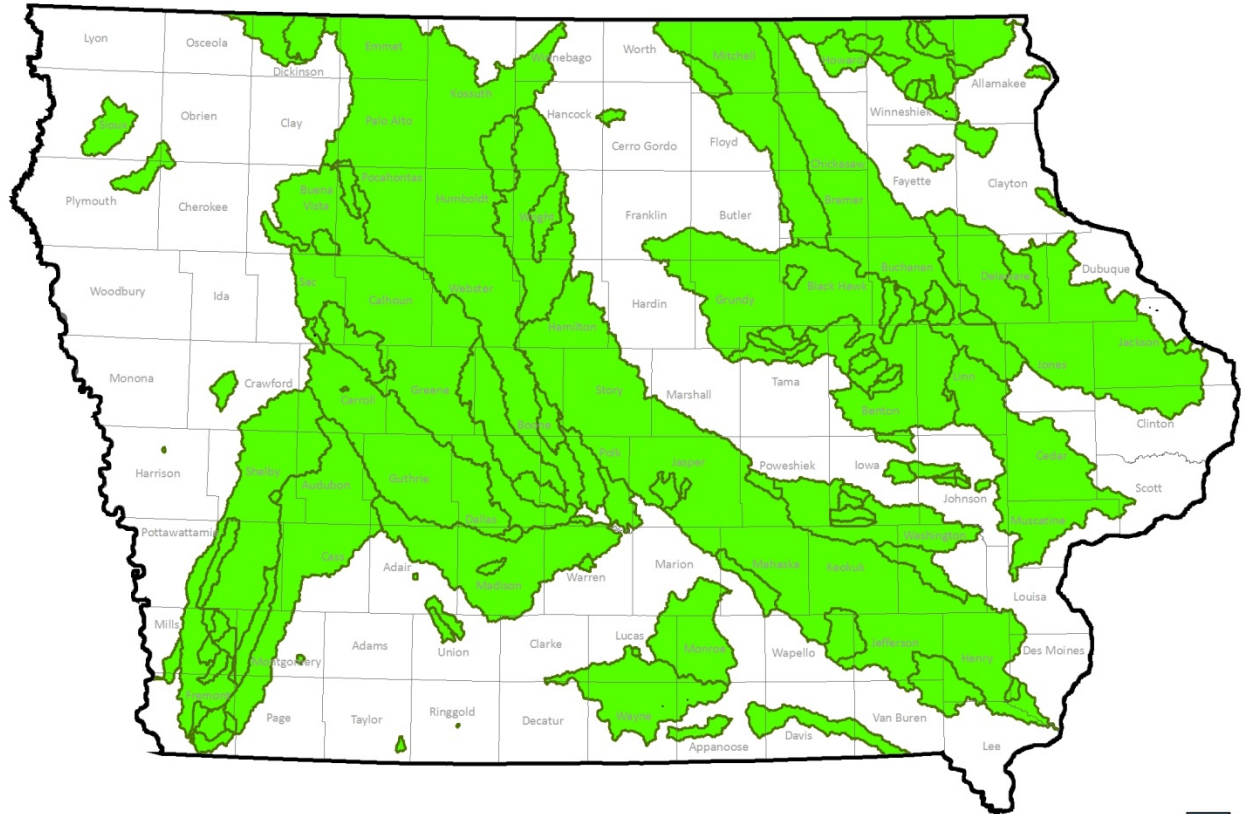
FY18 DNR/Section 319 Highlights

Goal 2 – TA and Outreach

Developed over 500 maps for 120 different watershed projects or WMAs supported through:

- DNR
- EPA 319
- IWA
- SRF/SP
- WSPF
- WQI
- POL

WATERSHED PROJECTS RECEIVING DNR GIS MAPPING SUPPORT, FFY2018

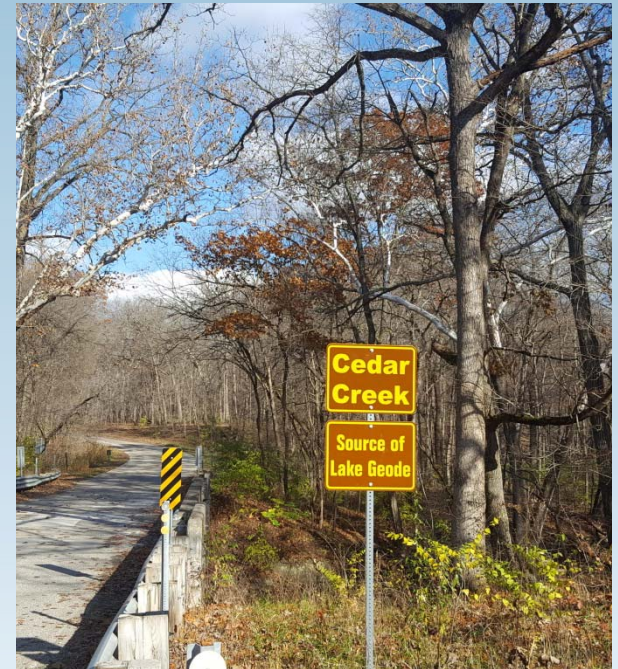


clean water
starts with you.

FY18 DNR/Section 319 Highlights

Goal 2 – TA and Outreach

Stream Sign Project – Growing and Expanding Local Partners Stepping Up!



FY18 DNR/Section 319 Highlights

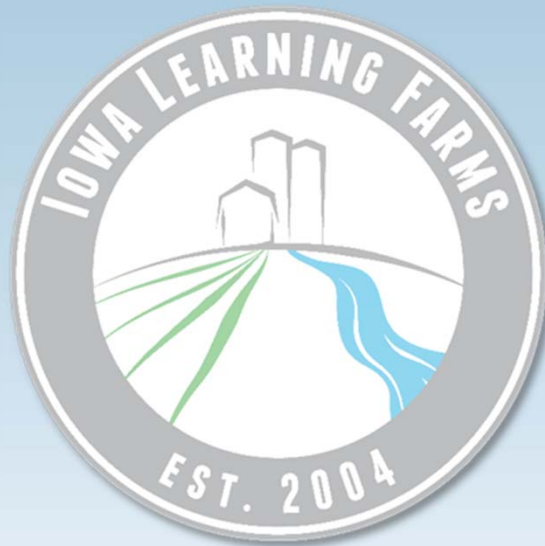
Goal 2 – TA and Outreach

Supported Farmer and Youth Education & Outreach

Including 24 farmer workshops/field days, reaching 1,134 people

Including 192 school visits/youth events, reaching 36,101 people

*PLUS 1 WR! Teacher Summit
(29 educators trained)*

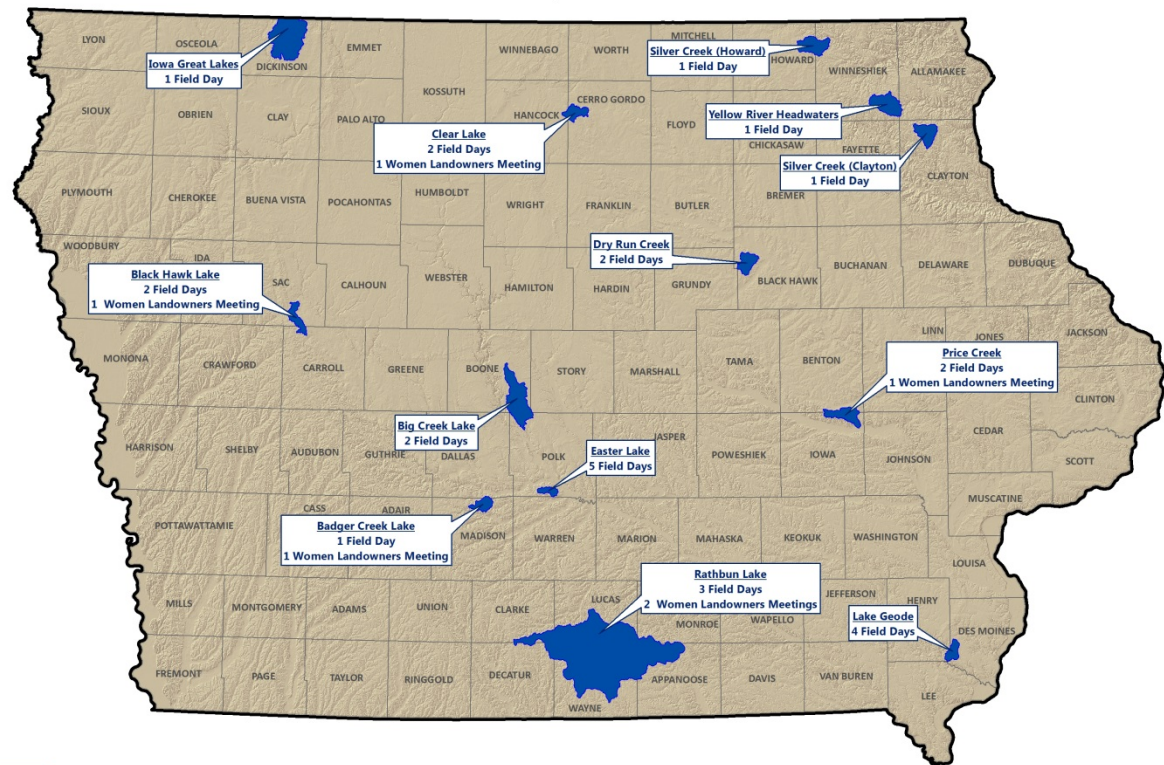


FY18 DNR/Section 319 Highlights

Goal 2 – TA and Outreach

Supported
25 field days +
6 women LO
meetings in 13
watershed
projects

FIELD DAY EVENTS HELD BY SECTION 319
WATERSHED PROJECTS (FFY2018)



DNR
ABA 3/14/2019

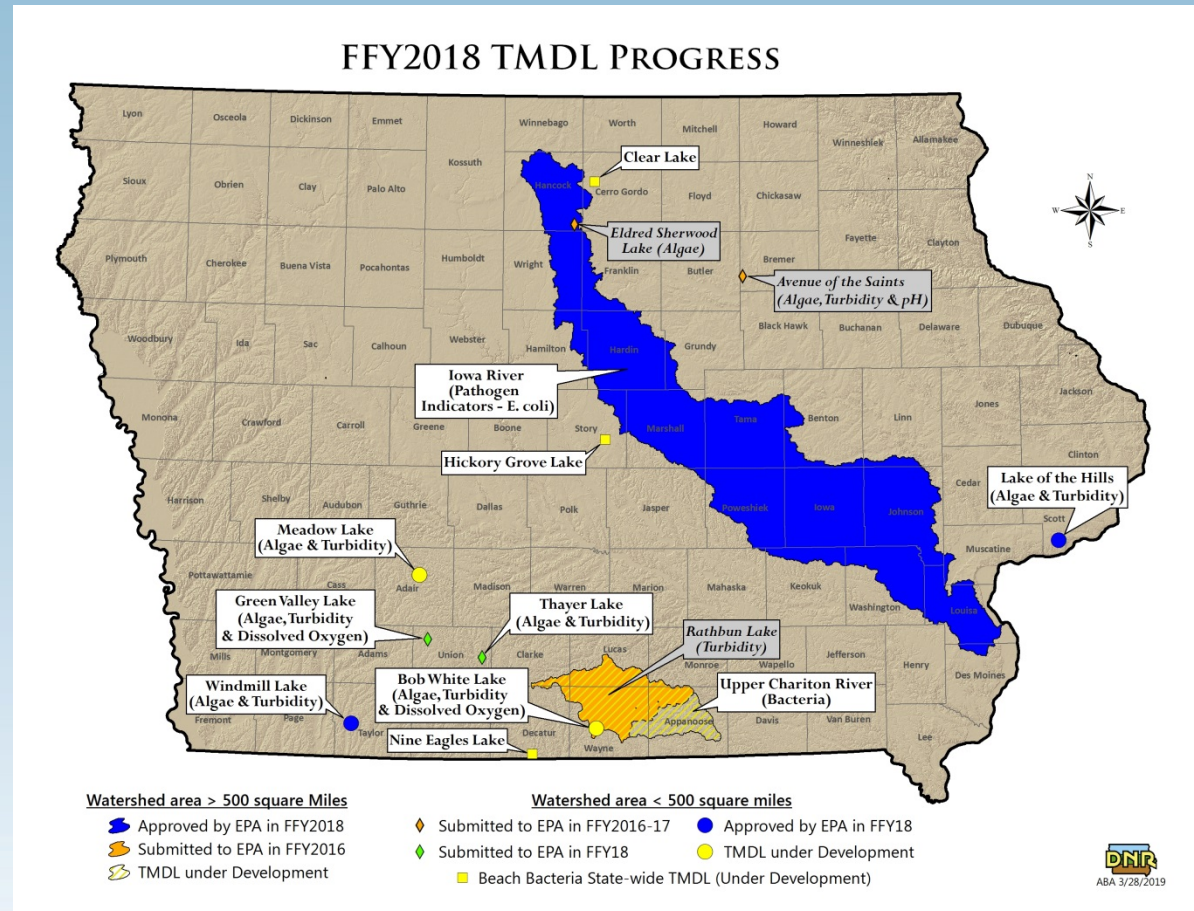
clean water
starts with you.



FY18 DNR/Section 319 Highlights

Goal 3 – Science-based Performance

- Completed 5 TMDLs
- 20 TMDLs under development
- EPA approved 51 TMDLs
- 13 TMDLs still pending EPA approval

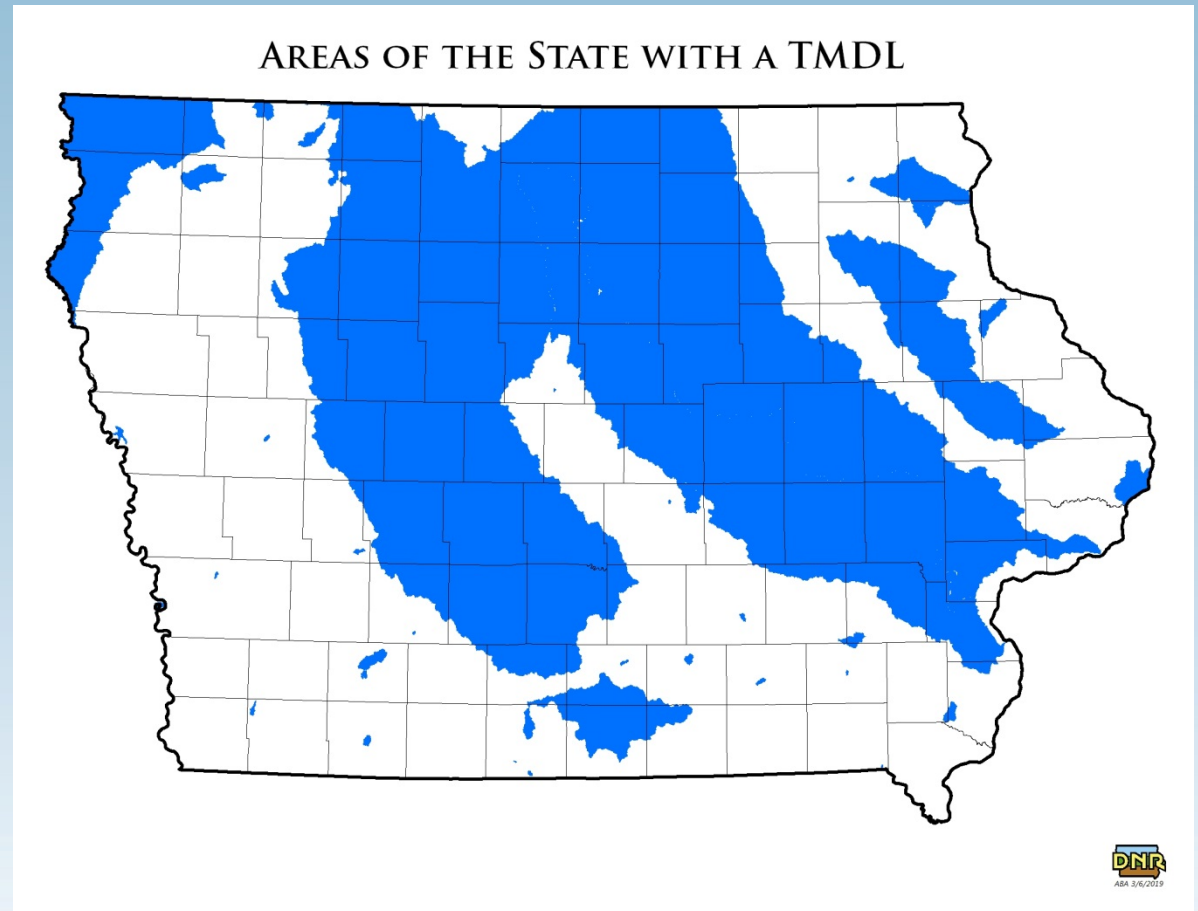


FY18 DNR/Section 319 Highlights

Goal 3 – Science-based Performance

Overall:

- ~ 34 percent of Iowa covered by TMDLs
- ~ 27 percent covered by a nutrient-related TMDL



FY18 DNR/Section 319 Highlights

Goal 3 – Science-based Performance

EPA Success Stories

- Lime Creek
- IA - 11 total

- Other Midwest states:
 - KS - 11
 - MO - 11
 - IL - 10
 - NE – 9
 - MN - 9
 - WI - 6
 - SD - 5

FFY2018 & PREVIOUS YEARS' SUCCESS STORIES



Iowa Success Stories

★ FFY2018 Success Story ★ Previous Success Stories



FY18 DNR/Section 319 Highlights

Goal 3 – Science-based Performance

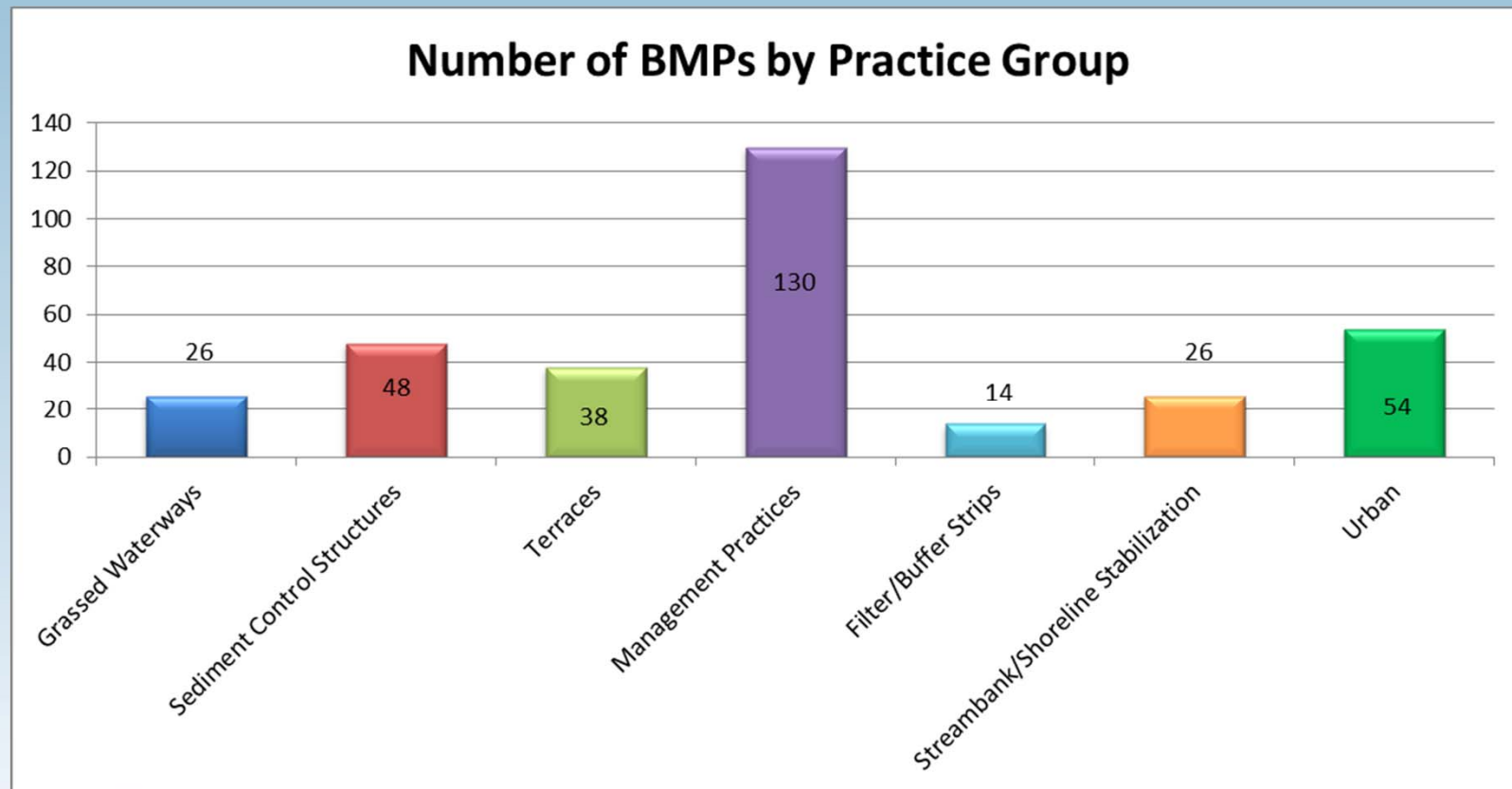
Conducted monitoring to track water quality improvement in 11 319-supported watersheds



FY18 DNR/Section 319 Highlights

Goal 3 – Science-based Performance

Supported installation of 336 BMPs

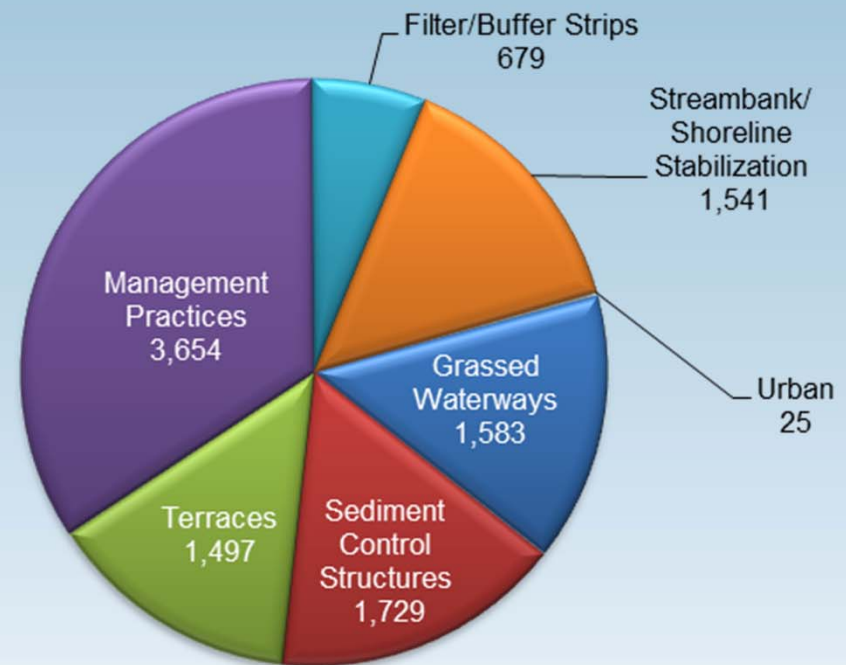


FY18 DNR/Section 319 Highlights

Goal 3 – Science-based Performance

...which reduced sediment reaching waterways by an estimated 10,708 tons...

Tons of Sediment Reduced by Practice Group

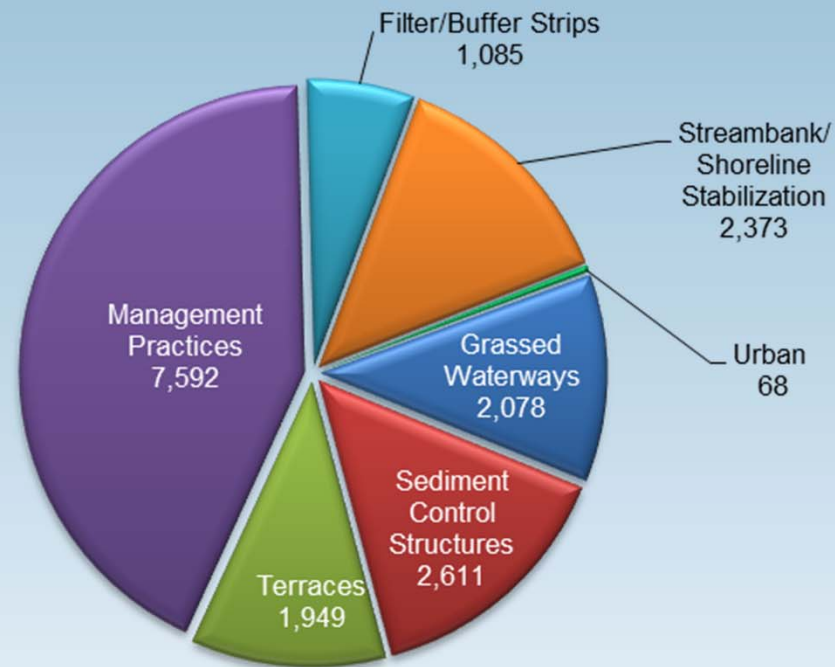


FY18 DNR/Section 319 Highlights

Goal 3 – Science-based Performance

...phosphorus by
an estimated
17,756 pounds...

Pounds of Phosphorus Reduced by Practice Group

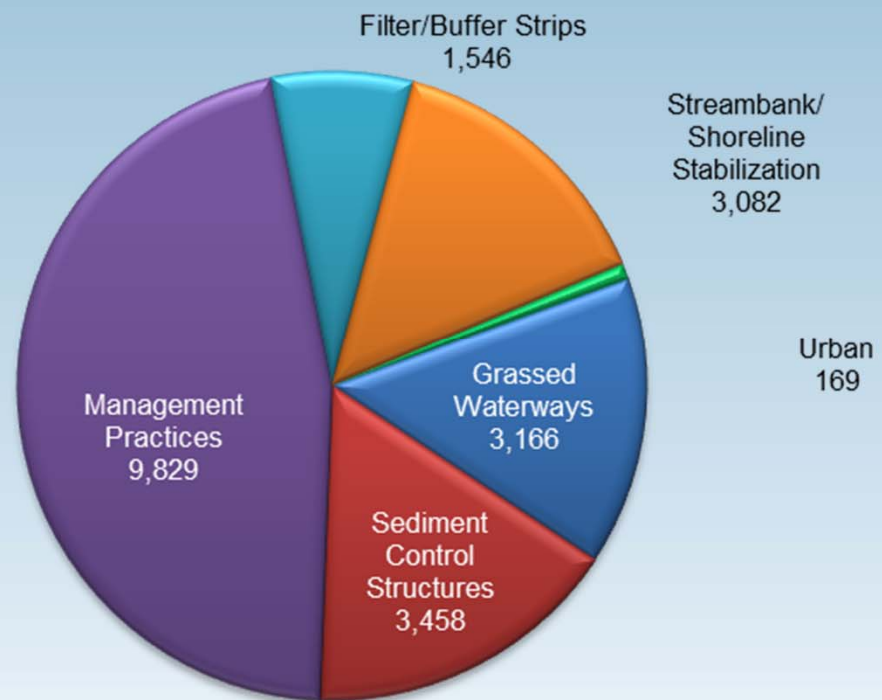


FY18 DNR/Section 319 Highlights

Goal 3 – Science-based Performance

...and nitrogen by
an estimated
21,250 pounds.

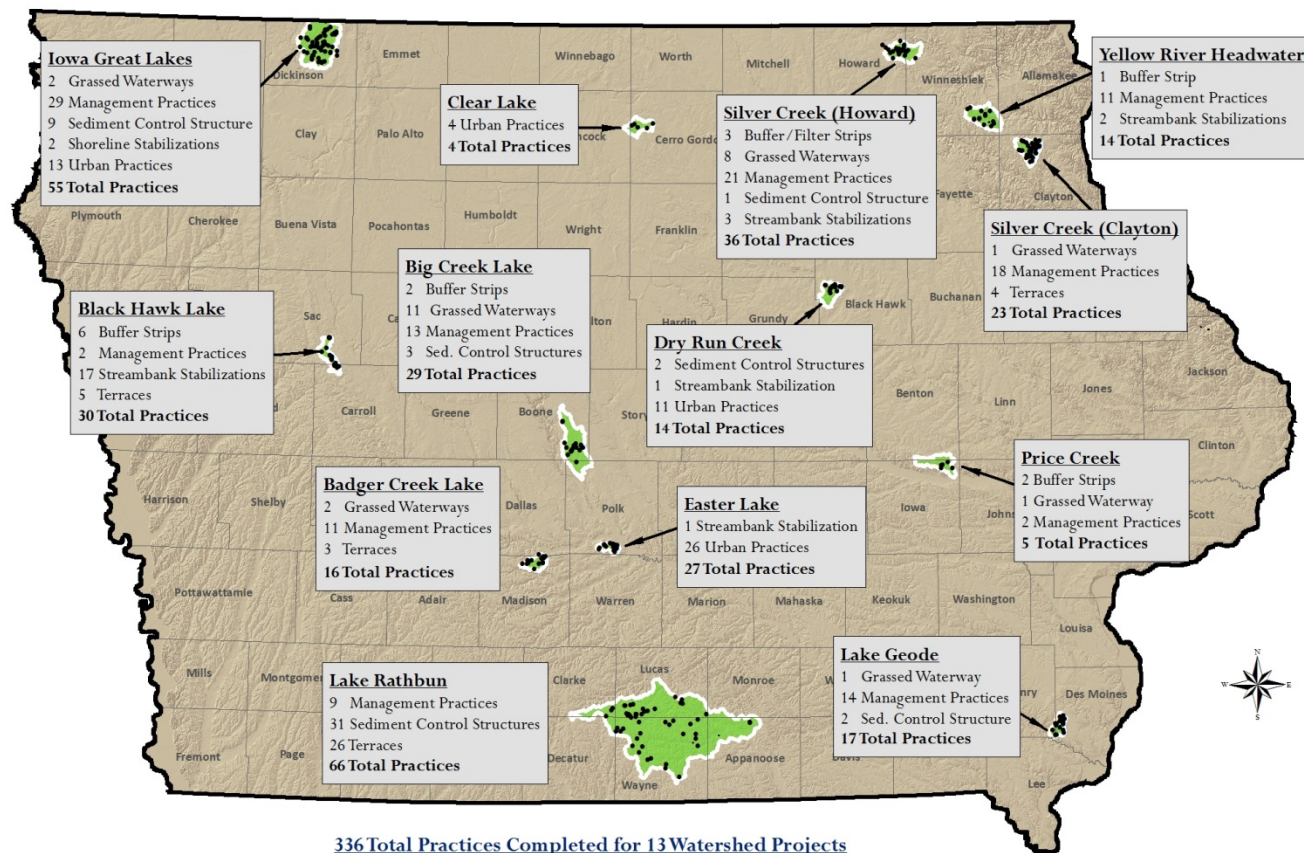
Pounds of Nitrogen Reduced by Practice Group



FY18 DNR/Section 319 Highlights

Goal 3 – Science-based Performance

CERTIFIED BMPs FOR SECTION 319 PROJECT AREAS, FFY2018



336 Total Practices Completed for 13 Watershed Projects

- | | |
|--------------------------------|----------------------------------------|
| 14 Buffer or Filter Strips | 26 Streambank/Shoreline Stabilizations |
| 26 Grassed Waterways | 38 Terraces |
| 130 Management Practices | 54 Urban Practices |
| 48 Sediment Control Structures | |



ABA 3/5/2019



FY18 DNR/Section 319 Highlights

Goal 4 – Funding

- \$1.6M to 7 local WS projects
- \$100K to support planning for 1 new WMA
- \$200K for local WQ education campaigns
- ~\$400K for technical assistance
- ~\$5.8M in local, state and other federal funds leveraged
- \$1.1M for state land WQ projects
- 227 loans worth \$7.4M thru SRF-NPS Prgm.
- \$10.8M committed to 18 SRF Sponsored Projects



Summary

- Making progress/more to do
- Increased momentum
- Build upon campaigns to inform, educate & motivate change
- Measure and monitor performance
- Plan available at:

<http://www.iowadnr.gov/Environmental-Protection/Water-Quality/Watershed-Improvement/Nonpoint-Source-Plan>



Thank you!

Questions?

Somebody told me it was
frightening how much
topsoil we are losing each
year, but when I told that
story around the campfire,
nobody got scared.

Jack Handey

QuoteAddicts.com

clean water
starts with you.



**Iowa Department of Natural Resources
Environmental Protection Commission**

#_ 9

Decision Item

Contract with Iowa Department of Transportation (DOT)

Commission approval is requested for a contract with DOT, of Ames, IA.

Contract Terms:

Amount: Not to exceed \$60,983.

Dates: September 17, 2019 to September 30, 2022.

Funding Source(s): U. S. Environmental Protection Agency (EPA) Clean Water Act (CWA) Section 319.

Statutory Authority: US EPA CWA Section 319.

Contract Background:

As the state agency having primary responsibility to implement Iowa's State Nonpoint Source Management Program (NPSMP), the DNR has identified awareness of streams (a.k.a. "creeks") and the names of specific Iowa streams as important factors in watershed residents' understanding of how watersheds affect stream water quality. In addition, awareness of a stream can positively influence behaviors by residents within a watershed, such as by influencing residents to adopt practices that improve the water quality of the stream. Therefore, installing stream signs at stream bridges within priority watersheds in Iowa will help create and enhance awareness of streams and their watersheds, and may lead to positive behaviors that improve water quality.

In Iowa, the most visible stream bridge crossings are on state and federal highways, which are the jurisdiction of the Iowa Department of Transportation (DOT). Installing stream signs on DOT-controlled highways, which are the most heavily-traveled and visible highways in the state, will generate the most awareness of the streams.

To date, DNR has completed four phases of work to install stream signs on DOT-controlled highways in Iowa, totaling 259 signs at 130 bridges. The previous phases installed stream signs within current Section 319-funded watershed project areas, within three river watersheds of the Iowa Water Quality Initiative (WQI), within Watershed Management Authority (WMA) watersheds in central Iowa, and creeks on Interstate 80 in eastern Polk and western Jasper counties.

To further enhance stream and watershed awareness in Iowa, this contract will expand the effort by installing up to 239 new stream signs at 119 bridges within priority watersheds in Iowa. The priority areas will include additional WMA watersheds, selected trout streams, former 319-funded watersheds, nonpoint source success stories, and other watershed project areas not covered through the previous phases of work (see project summary for more detailed information). This contract includes only DOT-controlled highways in order to maximize visibility of newly-installed stream signs. All signs will meet DOT sign specifications.

Contract Purpose:

This contract will provide funding to Iowa DOT for the installation of 239 creek signs at 119 bridges on state and federal highways within priority watersheds in Iowa.

Selection Process Summary:

- INTERGOVERNMENTAL: Intergovernmental contracting with DOT is authorized under 11 IAC 118.4. Also contracts with state universities and other public agencies for laboratory work, scientific field measurement and environmental quality evaluation services necessary to implement Iowa Code Chapter 455B is authorized under Iowa Code section 455B.103(3).
- STATUTE OR FEDERAL GRANT REQUIRED: Statute or federal grant contracting with DOT is authorized by 11 IAC 117.5(5) and 118.7, which allows for agreements with entities without competition when the law or federal grant requires them.

Contract History:

DNR has contracted with DOT to install stream signs on state and federal highways since 2014. Below is a list of contracts and contract amendments with DOT over the previous five years to install stream signs:

Contract Amendment #3: Timeframe: March 1, 2017-December 31, 2017; Amount \$1,494

Contract Amendment #2: Timeframe: August 1, 2016-March 31, 2017; Amount \$9,808

Contract Amendment #1: Timeframe: September 15, 2015-September 30, 2016; Amount \$24,335

Contract #1: Timeframe: August 1, 2014-September 30, 2015; Amount \$13,833

Steve Hopkins, Nonpoint Source Coordinator, Water Quality Bureau
Environmental Services Division
September 17, 2019

**Contract with Iowa DOT:
Stream Signs in Priority Watersheds in Iowa
Project Summary and Scope of Work**

Project Name: Stream Signs in Priority Watersheds in Iowa

Contractor: Iowa Department of Transportation (DOT)

Contract Amount: \$60,983

Contract Time Frame: September 17, 2019 – September 30, 2022

Description: Contract for the Installation of Stream Signs on State and Federal Highways in Priority Watersheds in Iowa

Project Goal: To enhance awareness of the creeks and their watersheds among landowners and residents within priority watersheds in Iowa.

Background

As the state agency having primary responsibility to implement Iowa's State Nonpoint Source Management Program (NPSMP), the DNR has identified awareness of streams (a.k.a. "creeks") and the names of specific Iowa streams as important factors in watershed residents' understanding of how watersheds affect stream water quality. In addition, awareness of a stream can positively influence behaviors by residents within a watershed, such as by influencing residents to adopt practices that improve the water quality of the stream. Therefore, installing stream signs at stream bridges within priority watersheds in Iowa will help create and enhance awareness of streams and their watersheds, and may lead to positive behaviors that improve water quality.

In Iowa, the most visible stream bridge crossings are on state and federal highways, which are the jurisdiction of the Iowa Department of Transportation (DOT). Installing stream signs on DOT-controlled highways, which are the most heavily-traveled and visible highways in the state, will generate the most awareness of the streams.

To date, DNR has completed four phases of work to install stream signs on DOT-controlled highways in Iowa, totaling 259 signs at 130 bridges. The previous phases installed stream signs within current Section 319-funded watershed project areas, within three river watersheds of the Iowa Water Quality Initiative (WQI), within Watershed Management Authority (WMA) watersheds in central Iowa, and creeks on Interstate 80 in eastern Polk and western Jasper counties.

Project Summary

To further enhance stream and watershed awareness in Iowa, this contract will expand the effort by installing up to 239 new stream signs at 119 bridges within priority watersheds in Iowa. The priority areas will include additional WMA watersheds, selected trout streams, former 319-funded watersheds, nonpoint source success stories, and other watershed project areas not covered through the previous phases of work (see project summary for more detailed information). This contract includes only DOT-controlled highways in order to maximize visibility of newly-installed stream signs. All signs will meet DOT sign specifications.

Purpose

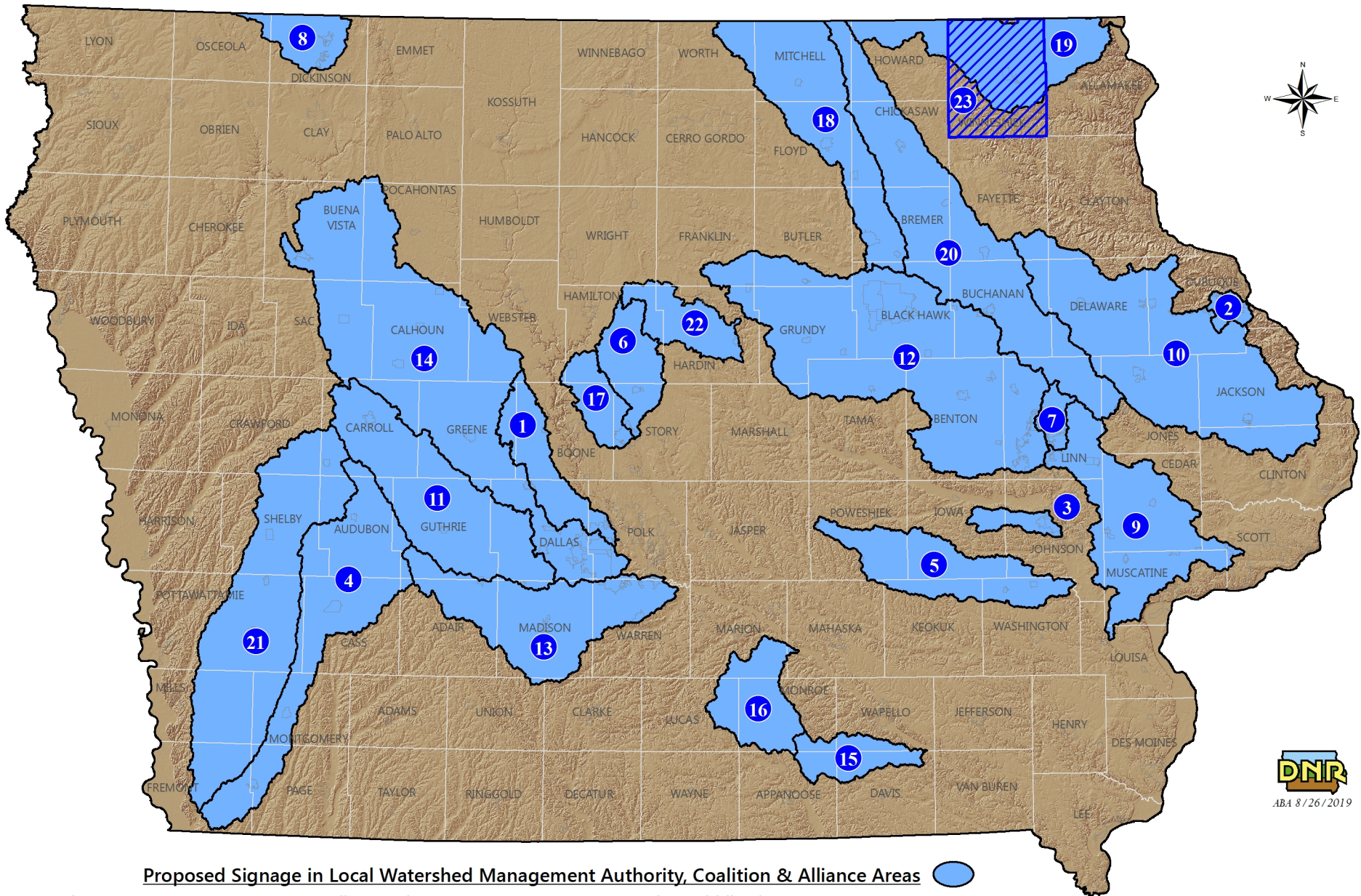
The purpose of this Contract is to provide funding from DNR to DOT for the construction and installation of 239 stream signs at 119 bridge sites to be installed at designated stream (a.k.a. "creek") bridges in priority watersheds in Iowa.


Section 3 CONTRACT STATEMENT OF WORK


3.1 Statement of Work. As part of this Contract, Contractor shall perform the following additional Tasks. Contractor shall complete its obligations under this Contract by the Task Milestone Dates set out below.

Obligation	Task Milestone Date
<p>Amendment Task 1: <u>Sign Construction and Installation</u> Description: DOT shall construct and install up to 239 signs at the designated creek bridge sites identified on the list in Appendix B, provided separately, except for crossings which already have DOT-approved signs in place.</p>	<p>No later than August 15, 2022.</p>
<p>Amendment Task 2: <u>Periodic Updates</u> Description: The DOT Project Manager shall provide to DNR quarterly email updates documenting progress made in the previous quarter to implement the project. Updates shall include submittal of electronic photos of each sign installed, and a brief written summary of each sign installed.</p>	<p>Periodic updates shall be provided to DNR by January 15, April 15, July 15, and September 15 for each year during the contract period.</p>
<p>Amendment Task 3: <u>Final Report</u> Description: The DOT Project Manager shall provide to DNR a final report, which includes a list and location of all signs installed, a map of sign locations, and photos of all signs installed. The report will itemize all project expenditures. The report will summarize if project objectives were met and, if not, why not.</p>	<p>A final report shall be due on August 15, 2022.</p>

STREAM SIGNS IN PRIORITY WATERSHEDS IN IOWA



Proposed Signage in Local Watershed Management Authority, Coalition & Alliance Areas 

- | | | | |
|-----------------------------------------|--------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| 1. Beaver Creek WMA | 7. Indian Creek WMA | 13. North & Middle Rivers WMA | 19. Upper Iowa WMA |
| 2. Catfish Creek WMA | 8. Little Sioux Headwaters Coalition | 14. North Raccoon River Watershed Management Coalition | 20. Upper Wapsipinicon River WMA |
| 3. Clear Creek Watershed Coalition | 9. Lower Cedar WMA | 15. Soap Creek Watershed Board | 21. West Nishnabotna Watershed Coalition |
| 4. East Nishnabotna Watershed Coalition | 10. Maquoketa River WMA | 16. South Central Iowa Cedar Creek WMA | 22. Southfork (Iowa River) Watershed Alliance |
| 5. English River WMA | 11. Middle-South Raccoon WMA | 17. Squaw Creek WMA | 23. Winneshie County Trout Streams  |
| 6. Headwaters of the South Skunk WMA | 12. Middle Cedar WMA | 18. Upper Cedar River WMA | |

**Iowa Department of Natural Resources
Environmental Protection Commission**

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Decision Item

Contract with Iowa Department of Agriculture and Land Stewardship (IDALS) for Silver Creek (Howard County) Watershed Project

Commission approval is requested for a contract with IDALS, of Des Moines, IA.

Contract Terms:

Amount: Not to exceed \$461,400

Dates: September 17, 2019 to August 31, 2022.

DNR shall have the option to extend this Contract for up to six years from the beginning date of the original contract by executing a signed amendment prior to the expiration of this Contract.

Funding Source(s): U.S. EPA Section 319 grant to Iowa DNR, Grant Number 00740425

Statutory Authority: Funds are administered by DNR under statutory authority granted by Iowa Code 455B.103.

Contract Background:

Silver Creek is a tributary of the Upper Iowa River located in northeast Iowa in Howard and Winneshiek Counties. The 22,410-acre watershed consists of row crops, grassland, and timber, and the city of Cresco (pop. 3,868). Silver Creek is impaired for indicator bacteria E. coli for primary contact as a Class A1 waterbody. Primary sources of impairment include open feedlot livestock operations, pasture runoff, runoff from field-applied manure, livestock with direct access to streams, and outdated or faulty septic systems.

The Silver Creek Water Quality Project aims to reduce bacterial loading to the stream through installation of BMPs. Monitoring has shown some declines in bacterial loading in specific segments and tributaries coinciding with the nutrient and sediment reductions. In addition, water quality improvements on specific branches has led DNR Fisheries staff to reintroduce native brook trout to the Silver Creek system, highlighting the water quality improvement overall and giving local landowners the accomplishment of a very tangible local goal.

Contract Purpose: The purpose of this Contract is to designate DNR Section 319 funding to support the **Silver Creek (Howard County) Watershed Project**. This contract will work to carry out the goals of the Silver Creek Watershed Management Plan (2013) for the stated contract term. The watershed project will be funded by the following entities in combination with DNR administered EPA 319 grant funds: IDALS, Howard and Winneshiek Soil and Water Conservation Districts, NRCS, and FSA, as well as match funding from landowners.

Selection Process Summary:

Intergovernmental contracting with IDALS is authorized under 11 IAC 118.4. Contracts with state universities and other public agencies for laboratory work, scientific field measurement and environmental quality evaluation services necessary to implement Iowa Code Chapter 455B is authorized under Iowa Code section 455B.103(3).

Contract History:

- Silver Creek (Howard) Planning Grant - ESD7148KAment110212: 1/1/2011 – 12/31/2012, \$40,000
- Silver Creek (Howard) Phase 1 Implementation – 14ESDGSBKAmem-0001: 10/15/2013 – 9/30/2016, \$242,160
- Silver Creek (Howard) Phase 1 Implementation – 15ESDWQBKAMEN-0001: 9/1/2015 – 9/30/2019, \$383,421
- Silver Creek (Howard) Phase 2 Implementation – 18ESDWQBKONR-0004: 8/1/2018 – 8/31/2021, \$154,300

Steve Konrady, Water Quality Bureau
Environmental Services Division
September 17, 2019

STATEMENT OF WORK

- Task 1. **Project Coordinator** – Contractor shall hire and maintain a project coordinator position for the duration of the Contract. **Timeframe** - Continuous
- Task 2. **Submit and Carry Out Project Activities** – Contractor shall submit annual Work Plan and Budget consistent with EPA-Approved Project Implementation Plan. **Timeframe** – No later than May 1 of each year
- Task 3. **Quarterly Financial Reports** – Summarize expenses each quarter.
- Task 4. **Quarterly Progress Reports** – Summarize activities each quarter.
- Task 5. **Annual Progress Report** – Summarize activities, progress, project costs, water monitoring data (if applicable), and water quality improvements (load reductions) made during the previous fiscal period. **Timeline** – No later than August 1 of each year
- Task 6. **Final Project Report** – Total Section 319 funds expended by the project, summary of other funds, summary of accomplishments and objectives, comparison of actual accomplishments to objectives established by annual work plans and project implementation plan, summary of water quality improvements (load reductions), explanation of unmet objectives, and all other reporting requirements in the Section 319 guidance document. **Timeline** – Due no later than 30 days prior to the expiration of this Contract.

BUDGET

Budgets are submitted by the Contractor as part of the EPA-approved Project Implementation Plan (once per contract) and Work Plan and Budget (annually). The Contractor has submitted the following budget overview with the Project Implementation Plan for 319 funds to be incorporated into the Contract for the full term:

Budget Item	Amount of 319 Funds
Top Line/Administrative Costs	
Coordinator Salary and Benefits	\$172,000
IDALS Conservation Assistant Support	\$10,000
Travel/Training	\$2,400
Supplies	\$1,000
Information/Outreach	\$6,000
Implementation Costs (BMPs)	
Ag Waste Projects	\$200,000
Septic System Upgrades	\$70,000
TOTAL:	\$461,400

**Iowa Department of Natural Resources
Environmental Protection Commission**

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Decision Item

2020 EPC Meeting Dates

The Department is requesting for the Commission to select the 2020 Environmental Protection Commission meeting dates and locations.

Wednesday, January 22, 2020

- 7:30-9:30 a.m. Legislative Meet & Greet Event – State Capitol
- 10 a.m. – 12:30 p.m. Joint NRC/EPC Meeting – Wallace State Office Building
- 1-4:30 p.m. EPC Business Meeting – Wallace State Office Building

February 18, 2020 – EPC Business Meeting – Ankeny, Iowa – Business Meeting and tour of the State Hygienic Laboratory

March 17, 2020 – EPC Business Meeting – Polk County

April 20, 2020 – Education Tour – Hamilton/Hardin County

April 21, 2020 – EPC Business Meeting – Polk County

May 19, 2020 – EPC Business Meeting – Polk County

June 16, 2020 – EPC Business Meeting – Polk County

July 21, 2020 – EPC Business Meeting – Polk County

August 18, 2020 – EPC Business Meeting – Polk County

September 14, 2020 – Educational Tour – Greene/Guthrie County

September 15, 2020 – EPC Business Meeting – Polk County

October 20, 2020 – EPC Business Meeting – Polk County

November 17, 2020 – EPC Business Meeting – Polk County

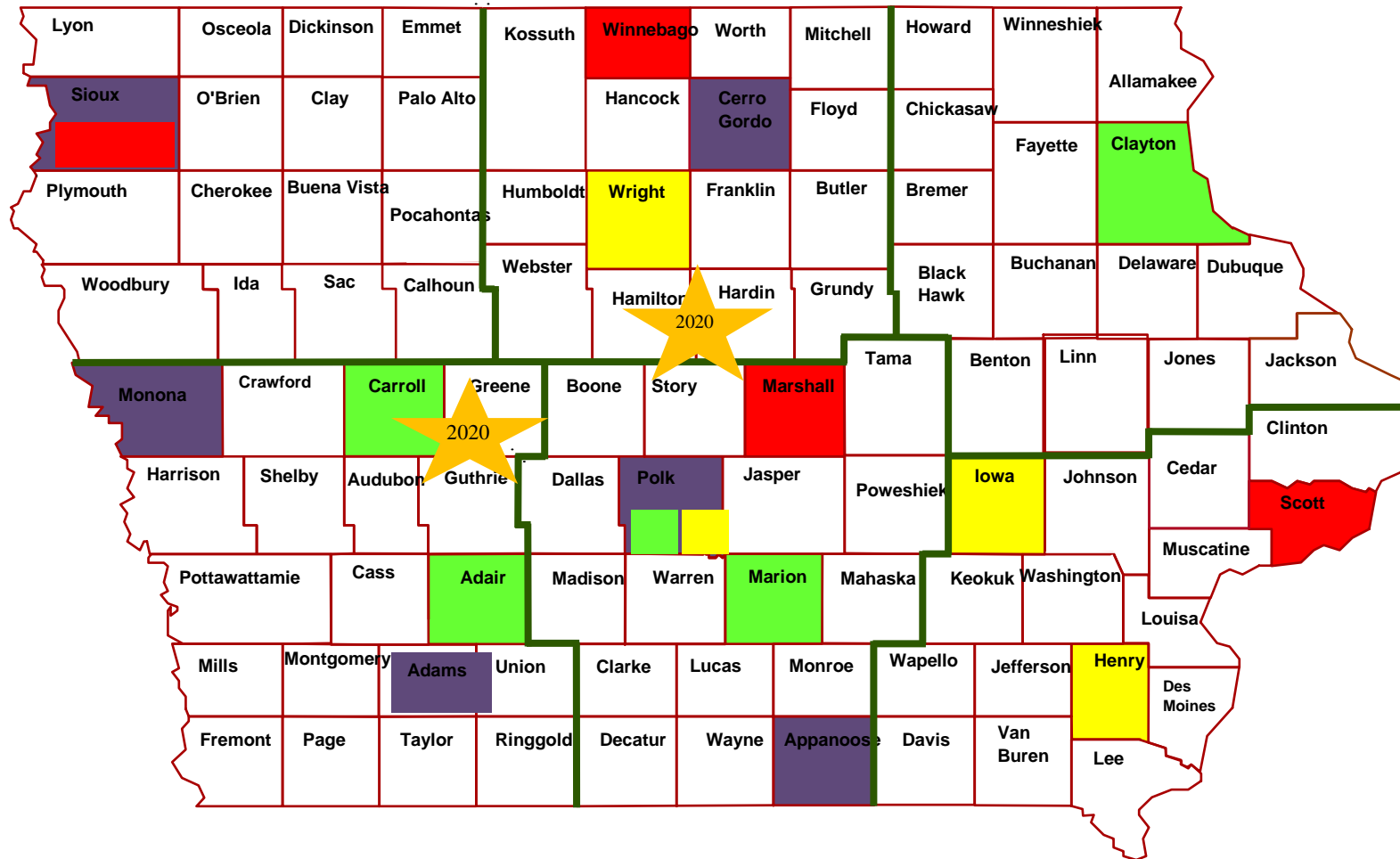
December 15, 2020 – EPC Business Meeting – Polk County

Jerah Sheets

Environmental Services Division

Environmental Protection Commission

Past and Proposed Tour Locations



2012 & 2013

SHL Lab
 Drinking Water
 Landfill Alternatives
 Wastewater
 Watershed

2014 & 2015

Alcoa & Topsoil
 JBS
 Lake Restoration
 Wastewater
 Ag Industry

2016 & 2017

Manure Digester
 Cattle Facility & AFO Records
 Iowa River & Easter Lake Restoration
 Rathbun Drinking Water
 SHL Lab
 Nutrient Reduction Strategy Practices
 Manufacturing & Utility

2018 & 2019

Landfill & Floodplains
 Drinking Water
 Karst & Sinkholes
 Derelict Building Program
 Manufacturing facility
 County Drinking Water

Iowa Department of Natural Resources
Environmental Protection Commission

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Decision Item**Contract with Windsor Solutions, Inc.**

Commission approval is requested for a contract with Windsor Solutions, Inc., of Portland, Oregon.

Contract Terms:

Amount: Not to exceed \$160,000.00

Dates: September 17, 2019 to June 30, 2021

Funding Source(s): The source of the funding is air contaminant funds.

Statutory Authority: Iowa Code Section 455B.133(8)

Contract Purpose & Background: Approval is requested to enter into an IT services contract with Windsor Solutions, Inc. (Windsor) to customize the State and Local Emission Inventory System (SLEIS) to allow nightly transfer, data validation, and quality assurance of data into SLEIS from DNR's new air quality electronic permit application submission and tracking system (known as the "EASY Air" system).

DNR's EASY Air system is currently in development with a different vendor (enfoTech), and this contract with Windsor is necessary to ensure that the two systems will work together to reduce duplicative data entry. The Commission approved the contract with enfoTech on June 19, 2018.

Statement of Work:

Windsor will work with DNR and enfoTech to establish specific request and response formats for the different emission unit, release point, and control device data elements to be updated in SLEIS. The formats will be managed through a Notification System that Windsor will install in the DNR environment with an endpoint in SLEIS to receive messages from the Notification System. Windsor will also develop and document message processors to handle incoming data from the EASY Air system. Windsor will assist DNR and enfoTech with testing the various message formats for the different types of data to be transferred.

enfoTech will formulate the messages in the agreed format and publish those messages to the SLEIS Notification System endpoint. An endpoint will also be established in the EASY Air system to receive and process responses from the Notification System that will be provided with the results of processing inbound messages. enfoTech is already required to perform this work under its existing contract with DNR.

Selection Process Summary:

Because Windsor owns the intellectual properties to SLEIS, Windsor is the only vendor that has the ability to develop and code the new web services that are needed to transfer new and modified air emissions data entered in the EASY Air system to the existing SLEIS system in a safe and secure manner that maintains the data integrity and data validation in both electronic systems. Continually transferring new and modified data from EASY Air to SLEIS will reduce duplicative data entry, reducing the time and expense to facilities to both apply for air permits and complete emission inventories.

Contract History:

DNR has entered into contracts with Windsor Solutions since 2014. The initial contract (2014-2015) was for the implementation of the SLEIS database. The second contract (2015-2016) was to provide enhancements to the SLEIS software. Since 2017, DNR has contracted with Windsor for ongoing licensing and support. The most recent contract was approved by the Commission on July 16, 2019.

Jim McGraw, Environmental Program Supervisor, Air Quality Bureau
Environmental Services Division
September 17, 2019

Deliverables	Task Milestone Date
<p>Task 1: Project Management Description: Windsor shall schedule and attend a kickoff meeting for the project. The scope of the project will be specified to ensure the goals of the project are accomplished. Status meetings shall be held every two weeks throughout the project, and shall be accompanied by a written status report to be provided by Windsor’s Project Manager.</p>	<p>Project kickoff meeting scheduled no later than five days following the date this Contract is signed by both parties. Status meetings and reports shall occur throughout the term of this Contract.</p>
<p>Task 2: Design Description: Windsor shall facilitate a series of conference calls with DNR and enfoTech to confirm the scope of the project and to work with DNR and enfoTech to design and implement the August 22, 2019, SLEIS proposed project details.</p>	<p>This obligation shall occur as deemed necessary by DNR, throughout the term of this Contract.</p>
<p>Task 3: Development Description: Windsor shall update SLEIS to establish an interface that shall enable certain emission unit, release point, and control device information that is managed for permits in the EASY Air system to be automatically loaded into the SLEIS master facility inventory data store that is used for emission reporting. Windsor also shall develop a security mechanism for the Notification System to ensure that incoming message requests are properly authenticated to the EASY Air system. Windsor shall provide documentation on each message and response format to be used by the DNR contractor to develop the message formatting capability within the EASY Air system.</p>	<p>This obligation shall be completed by no later than January 1, 2020.</p>
<p>Task 4: Testing Description: Windsor shall work with DNR IT staff to install the SLEIS Notification System in the DNR testing environment and to update the SLEIS system to deploy the required notification endpoint and message handlers. Windsor shall then work with DNR staff and enfoTech to fully test the interface from the EASY Air system to ensure that update messages published by the EASY Air system are processed correctly by the SLEIS message handlers and that response messages in turn are returned to the EASY Air system for processing.</p>	<p>This obligation shall be completed by no later than January 15, 2020.</p>
<p>Task 5: Implementation Description: Windsor shall work with DNR IT staff to install the SLEIS Notification System in the DNR production environment and to update the SLEIS system to deploy the required notification endpoint and message handlers. Final system documentation shall be provided. Windsor shall provide up to 100 hours of support for the EASY Air interface in the production environment.</p>	<p>Implementation completed and accepted by DNR by no later than February 15, 2020. The 100 hours of support shall be valid following the date the interface is deployed and accepted by DNR, up to the end of the term of the Contract.</p>

COMPENSATION

Source of Funding. The source of funding for this Contract is Cost Center 7230, Air Contaminant Fee Fund.
Not-to-exceed total amount of Contract. Payment for the work performed by Contractor according to the terms of this Contract shall not exceed \$160,000.00. Payment shall be for satisfactory completion of the Statement of Work including all applicable Attachments and Exhibits, provided that Contractor has complied with the terms of this Contract.

Budget. The budget for this Contract shall be as follows:

Task	Amount of compensation allotted to Task
Task 1: Project Management	\$4,200
Task 2: Design	\$13,650
Task 3: Development	\$71,240
Task 4: Testing	\$45,290
Task 5: Implementation	\$25,620
Total	\$160,000

Iowa Department of Natural Resources
Environmental Protection Commission

#13

Decision Item**Contract with** The United States Geological Survey**Commission approval is requested for a contract with** The United States Geological Survey, of Iowa City, IA.**Contract Terms:****Amount:** Not to exceed \$344,540.00**Dates:** October 1, 2019 to September 30, 2020.**Funding Source(s):** Environment First State Appropriation for water monitoring.**Statutory Authority:** 455B.103.

Contract Background: The purpose of the contract with The United States Geological Survey is to have them assist the DNR in the collection of real-time surface water flow and water quality concentrations. Water quantity and quality information is of key importance to understanding ecosystem health, flood potential and the level of risk to humans within and beyond the watershed. Surface-water flow information in Iowa is collected on a nearly continuous basis at 128 stream gaging stations (22 supported in this contract), and real-time water-quality sensors (8 sites supported in this contract) across Iowa. Lastly, the ability to estimate surface-water flow at ungaged sites in Iowa is critical for estimating pollutant loading and flux, Use Attainability Assessments, and is used for the State Nutrient Reduction Strategy. The completed applications StreamStat and StreamEst will be maintained, will be made available to the public, and used by the Department and others to support management and planning decisions. Finally, specialty laboratory analyses will be provided for TMDL and aquatic biology assessment support.

Selection Process Summary: Intergovernmental contracting with The United States Geological Survey is authorized under 11 IAC 118.4. Also contracts with state universities and other public agencies for laboratory work, scientific field measurement and environmental quality evaluation services necessary to implement Iowa Code Chapter 455B is authorized under Iowa Code section 455B.103(3).

Contract History: The DNR has entered into contracts with The United States Geological Survey on an annual basis since 1993. The most recent contracts have been the following:

Contract #1: Timeframe: 9/2017-8/2018; Amount \$308,360 and 1 amendment \$9,606 for new total \$317,966

Contract #2: Timeframe: 9/2017-8/2018; Amount \$316,460

Contract #3: Timeframe: 9/2016-8/2017; Amount \$310,520

Contract #4: Timeframe: 9/2015-8/2016; Amount \$449,620

Contract #5: Timeframe: 9/2014-8/2015; Amount \$265,650

Roger Bruner, Supervisor,
Water Quality Bureau
Environmental Services Division
September 17, 2019