

2022 INTENDED USE PLAN

for the

NORTH DAKOTA DRINKING WATER STATE REVOLVING FUND

prepared by the

DRINKING WATER STATE REVOLVING FUND PROGRAM

DIVISION OF MUNICIPAL FACILITIES



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Table of Contents

Introduction.....	1
Priority List of Projects	4
Development Process.....	4
Priority Ranking System.....	5
Comprehensive Project Priority List and Fundable List	5
Criteria and Methods for the Distribution of Funds	6
Ranking and Project Bypass Considerations	6
Capacity	7
Set-Aside and Fee Activities.....	9
Mandatory Small System Project Set-Aside	9
Mandatory Additional Subsidization Set-Aside	9
Disadvantaged Community Set-Aside	10
Optional Non-Project Set-Asides.....	11
Non-Project Set-Aside and Fee Activity.....	12
Planning Assistance Reimbursement (PAR) Grants	13
Financial Status.....	14
Financial Structure.....	14
State 20 Percent Match Requirement	15
Anticipated Proportionality Ratio	15
Disbursement of Funds	15
Transfer of Funds Between DWSRF and CWSRF	15
Funding Process	16
Loan Assistance Terms	16
Sources and Uses of Funds.....	17
Short- and Long-Term Goals	19
Short-Term Goals	19
Long-Term Goals.....	19
Environmental Results	20
Public Participation.....	21
Process	21

Appendices

- Appendix A: Eligible and Ineligible Projects and Project-Related Costs Under the Drinking Water State Revolving Loan Fund (DWSRF) Program
- Appendix B: Comprehensive Project Priority List and Fundable List for 2022
- Appendix C: Priority Ranking System for Financial Assistance Through the Drinking Water State Revolving Loan Fund (DWSRF) Program
- Appendix D: Non-Project Set-Aside and Loan Fee Activity
- Appendix E: Amounts Available to Transfer Between State Revolving Fund Programs
- Appendix F: Sources and Uses Table
- Appendix G: Abbreviations

Introduction

On August 6, 1996, President Clinton signed into law the Safe Drinking Water Act (SDWA) Amendments of 1996 (P.L. 104-182). Section 1452 of the SDWA authorizes a Drinking Water State Revolving Loan Fund (DWSRF) Program. It further requires the U.S. Environmental Protection Agency (EPA) to enter into agreements with and make capitalization grants to eligible states to assist public water systems (PWSs) in financing the costs of infrastructure needed to achieve or maintain compliance with the SDWA and to protect public health.

North Dakota's legislature, under North Dakota Century Code (NDCC) section 61-28.1-11, established a drinking water revolving loan fund that would be administered by the North Dakota Department of Environmental Quality (NDDEQ). The powers and duties of the department include applying for grants from the EPA to be used for purposes authorized under SDWA, administering the fund, disbursing funds, establishing assistance priorities, and adopting rules necessary for the administration of the fund.

North Dakota's DWSRF federal allotments for fiscal years (FY) 1997 through 2021 totaled \$237,879,100, and the anticipated 2022 allotment is \$11,001,000. Allotted funds are provided by the EPA through capitalization grants and matched 20 percent by North Dakota.

DWSRF funds may be used for:

- Loans.
- Loan guarantees.
- A source of reserve and security for leveraged loans (the proceeds of which must be placed in the DWSRF).
- Buying or refinancing existing local debt obligations (publicly-owned systems only) where the initial debt was incurred and construction started after July 1, 1993.
- Earning interest prior to disbursement of assistance.

To the extent that there are enough eligible projects, at least 15 percent of the funds available for construction must be used annually to provide loan assistance to PWSs that serve fewer than 10,000 persons. Up to 30 percent of the funds available for construction may also be used to provide subsidized loans to disadvantaged communities. A portion of the DWSRF allotments may also be used for non-project set-aside activities such as:

- DWSRF Program administration (the maximum of the following: \$400,000, 1/5

percent of the current valuation of the fund, or 4 percent of all grant awards to the fund for the fiscal year).

- State program assistance (up to 10 percent).
- Small system technical assistance (up to 2 percent).
- Local assistance and state programs, including the delineation and assessment of source water protection areas (up to 10 percent for any one activity with a maximum of 15 percent for all activities combined).

PWSs eligible for DWSRF assistance include community water systems (both publicly- and privately-owned) and nonprofit noncommunity water systems. Federally-owned PWSs are not eligible to receive DWSRF assistance. Appendix A depicts the types of projects and project-related costs that are eligible and ineligible for DWSRF assistance.

Section 1452(b) of the SDWA requires each state to annually prepare an Intended Use Plan (IUP). The IUP must describe how the state intends to use the DWSRF funds to meet the objectives of the SDWA and further the goal of protecting public health. The IUP must be made available to the public for review and comment prior to submitting it to the EPA as part of the capitalization grant application. Specifically, the IUP must include a:

- Priority list of projects, including a description of the projects and the present size of the PWSs served.
- Description of the criteria and methods to be used for the distribution of funds.
- Description of the financial status of the DWSRF Program, including the use of set-asides along with funds reserved, and the amount of funds that will be used to assist disadvantaged communities.
- Description of the short- and long-term goals of the DWSRF Program, including how the capitalization grant funds will be used to ensure compliance and protect public health.

This document is intended to serve as the state of North Dakota's IUP for 2022 and will stay in effect until superseded by a subsequent IUP. In accordance with the authority granted to the NDDEQ under North Dakota Century Code (NDCC) Chapter 61-28.1, this document, based on comments received from the public, will be incorporated into a capitalization grant application and submitted to the EPA to further capitalize the state's DWSRF Program in the amount of \$11,001,000. State match bonds were issued in 2018 to provide the 20 percent match for the capitalization grant. Bonds are anticipated to be issued in December 2021 or January 2022 to provide state match and potentially

leverage the program. If state match bonds are not issued, up to \$5 million could be transferred from the SRF state administrative account in FY2022 for state match funds.

Priority List of Projects

States are required to develop and maintain a comprehensive priority list of eligible projects for funding and to identify projects that will receive funding in the first year after the capitalization grant award. In determining funding priority, states must ensure to the maximum extent practicable that priority for the use of funds be given to projects that: (1) address the most serious risks to human health; (2) are necessary to ensure compliance under the SDWA; and (3) assist systems most in need on a per household basis (i.e., affordability).

A DWSRF Program may provide assistance only for expenditures (excluding operation, maintenance, and monitoring) of a type or category which will facilitate compliance or otherwise significantly further health protection under the SDWA. Projects eligible for DWSRF financial assistance include investments to:

- Address present SDWA exceedances.
- Prevent future SDWA exceedances (of regulations presently in effect).
- Replace aging infrastructure.
- Restructure or consolidate water supplies.
- Buy or refinance existing debt obligations (publicly-owned systems only) where the initial debt was incurred and construction started after July 1, 1993.

Development Process

As part of the IUP development process, all potential DWSRF loan recipients were requested to notify the NDDEQ if they had a drinking water project not presently on the list and for which they were interested in pursuing DWSRF financial assistance. Systems with previously ranked and listed projects were requested to provide the NDDEQ with a written update for each project either not yet under construction or under construction using funds other than DWSRF funds. The updates were to include a detailed project description and cost estimate, the amount of DWSRF funds needed, and the anticipated construction start date. In lieu of this information, systems were asked to inform the NDDEQ if they no longer intended to complete a project or no longer intended to complete a project using DWSRF assistance. Systems requesting ranking of new projects were provided ranking questionnaires. Requests for project re-ranking or deletion were evaluated on a case-by-case basis, with ranking questionnaires provided as needed. Several projects were deleted due to completion (with or without DWSRF assistance) or the acquisition of other funding sources.

Finalized project priority lists may be amended to include new non-emergency projects. Amendments are subject to public review and comment and may require North Dakota

State Water Commission approval. North Dakota plans to amend its 2022 IUP in June 2022. Projects added to the priority list during the mid-year amendment will not be eligible for loan forgiveness until the subsequent year.

Priority Ranking System

The priority ranking system was developed by the NDDEQ, the state agency with primary enforcement authority for the SDWA. The priority ranking system is designed to ensure that DWSRF funds are focused on solutions to address the most serious risks to human health, rectify SDWA compliance problems, and assist those systems most in need based on affordability considerations. The priority ranking system has received both EPA Region VIII and Headquarter concurrence. The priority ranking system will be amended as needed to reflect the changing nature of the SDWA and the DWSRF Program. Any significant amendments will be presented for public review and comment in an IUP.

Comprehensive Project Priority List and Fundable List

Appendix B contains the comprehensive project priority list. The fundable list represents those projects from the comprehensive project priority list anticipated to receive loan assistance this year. The list of projects is based on anticipated start dates, projected funding needs, and expected available loan funds (see Financial Status section of this document). The list will change if such information or assumptions vary, if higher ranked projects not on the list become ready to proceed, or if projects on the list are bypassed (see Criteria and Methods for the Distribution of Funds section of this document).

Criteria and Methods for the Distribution of Funds

To the maximum extent possible, states are required to prioritize projects needed for SDWA compliance, projects that provide the greatest public health protection, and those projects that assist systems most in need based on affordability. The information below describes the process used by the NDDEQ to select projects for potential DWSRF assistance.

Ranking and Project Bypass Considerations

It is the intent of the NDDEQ that DWSRF funds are directed toward North Dakota's most pressing SDWA compliance problems and public health protection needs. To this end, the NDDEQ reserves the right to require the separation of project components into separate projects, if feasible and necessary, to focus on critical water supply problems. Project components which are separated will be ranked independently. Projects for existing PWSs, including refinancing projects, will be given preference over projects for the development of new water systems.

Under the SDWA, DWSRF funds may be used to buy or refinance existing local debt obligations (for publicly-owned systems only) where the initial debt was incurred and construction started after July 1, 1993. Cross-cutter requirements, including American Iron and Steel and Davis Bacon wage rate requirements, apply to these projects. American Iron and Steel requirements apply to projects with construction after December 16, 2014. Davis Bacon wage rate requirements apply to projects with construction after October 30, 2009. DWSRF assistance requests of this type, if eligible, will be ranked based on the original purpose and success of the constructed improvements. In the event of a tie in project rankings, new projects for existing systems will be given preference over refinancing projects.

The NDDEQ reserves the right to fund lower-ranked projects ahead of higher-ranked projects based on the considerations below. To the maximum extent possible, the NDDEQ will work with bypassed projects to ensure that they will be eligible for funding in the following fiscal year. Criteria reviewed in bypassing a project include:

- Readiness to proceed (i.e., applicant is prepared to begin construction and is immediately ready or poised to be ready to enter into assistance agreements).
- Willingness to proceed (e.g., applicant withdraws project from consideration, obtains other funding sources, or is nonresponsive).
- Emergency conditions (i.e., an unanticipated failure occurs requiring immediate attention to protect public health).
- Financial (includes inability to pay and loan repayment issues), technical, or

managerial capability.

- Meets the 15 percent requirement (i.e., funding lower-ranked project would satisfy the requirement that at least 15 percent of the funds available for construction be used annually to provide loan assistance to PWSs that serve populations of fewer than 10,000 persons).
- Inability to verify initial ranking score.

The NDDEQ reserves the right to fund unanticipated, non-ranked emergency projects requiring immediate attention to protect public health without going through a public review process. Such assistance will be limited to (1) eligible PWS types and project features and (2) situations involving acute contaminants, loss or potential loss of a water supply in the near future, or that otherwise represent an unreasonable risk to health.

Capacity

Section 1452 of the 1996 SDWA Amendments precludes states from providing DWSRF assistance to any eligible PWS that lacks the capacity to maintain SDWA compliance, unless the PWS owner or operator agrees to undertake feasible and appropriate changes to ensure compliance over the long term. States are also precluded from providing DWSRF assistance to any eligible PWS that is in significant noncompliance with any requirement of a National Primary Drinking Water Regulation (NPDWR) or variance, unless such assistance will ensure compliance. In the context of the SDWA, PWS capacity refers to the overall technical, managerial, and financial capability of a PWS to consistently produce and deliver drinking water meeting all NPDWRs. The NDDEQ has the legal authority and responsibility under NDCC Chapter 61-28.1 to ensure PWS capacity.

The NDDEQ will use the DWSRF loan application as the principal control point for capacity assessment. Information from the loan application and other available and relevant information (such as SDWA compliance data, sanitary survey reports, and operator certification status) will be evaluated to assess capacity at present and for the foreseeable future. The North Dakota Public Finance Authority (PFA), as financial agent for the DWSRF Program through formal agreement, will evaluate the financial information provided in the loan application. Based upon input provided by the NDDEQ regarding technical and managerial capability, the PFA will make recommendations to the NDDEQ concerning financial capability. The final decision regarding overall capacity will be made by the NDDEQ.

As required by the SDWA, DWSRF assistance will be denied to applicants considered priority systems because they score 11 or higher in the Enforcement Tracking Tool if it is

determined that the project will not ensure compliance. Likewise, DWSRF assistance will be denied to applicants that lack capacity if they are unwilling or unable to undertake feasible and appropriate changes to ensure capacity over the long term. The lack of capacity at the time of loan application will not preclude DWSRF assistance if the project will ensure compliance, or the applicant agrees to implement changes that will rectify capacity problems. On a case-by-case basis, special conditions may be included in loan agreements to rectify compliance and/or capacity problems. As needed and appropriate, the NDDEQ will utilize other specific legal authorities as control points to ensure capacity. This includes the review and approval of plans and specifications. Under NDCC Chapter 61-28.1 and North Dakota Administrative Code (NDAC) Chapters 33.1-03-08 and 33.1-18-01, the NDDEQ is both empowered and required to review and approve plans and specifications for all new or modified drinking water facilities prior to construction.

Set-Aside and Fee Activities

Under the SDWA, states are required to set aside a percentage of their available DWSRF loan funds to provide financial assistance to small systems. States, at their option, may also set aside a portion of their federal DWSRF allotment for other project and non-project activities and assess fees on loans to assist with administration costs. A description of the different set-asides and past/proposed activities related to set-asides and fees follows.

Mandatory Small System Project Set-Aside

To the extent that there are enough eligible projects to fund, states must annually use at least 15 percent of all funds credited to the DWSRF loan fund to provide loan assistance to PWSs that serve fewer than 10,000 people. States that exceed the 15 percent requirement in any one year are permitted to reserve the excess for future years.

A total of 296 loans totaling \$709,493,552 have been approved as of June 30, 2021. Of these, 243 loans (totaling \$302,798,203 or 42.8 percent of loan total) represent PWSs that serve fewer than 10,000 people. The NDDEQ envisions that additional loans will be made to small PWSs based on the comprehensive project list and fundable list (See Appendix B).

Mandatory Additional Subsidization Set-Aside

Congress has mandated in previous appropriations bills that 14 to 30 percent of assistance provided from DWSRF capitalization grants be in the form of additional subsidies. The DWSRF program provides these additional subsidies as loan forgiveness. The NDDEQ has the authority under state law (NDCC Chapter 61-28.1) to provide financial assistance through the DWSRF as authorized by federal law and EPA.

It is unknown at this time if mandatory additional subsidization will apply to the FY 2022 DWSRF allotment. To address this potential requirement, 14 percent (the minimum required) plus \$100,000 additional subsidization will be made available as loan forgiveness.

For 2022, projects that contain lead service line replacement activities will qualify for up to 90 percent loan forgiveness for the lead service line replacement portions of the project. Loan forgiveness will be allocated based on position on the project priority list for loan applications submitted until April 1, 2022 and then will be allocated on a first-come first-serve basis of loan application submittal, thereafter. DWSRF loan and loan forgiveness can be bundled together with funding from other sources to form funding

packages for projects. The combined loan forgiveness and grant in a bundled funding package must be less than or equal to 90 percent of all project costs.

The 2021 capitalization grant allowed states to use additional subsidization for debt incurred prior to December 27, 2020 if the state, with concurrence from the EPA Region, determines that such funds could be used to help address a threat to public health from heightened exposure to lead in drinking water. Priority will be given to financing new construction, then if allowed by the 2022 capitalization grant, the remaining funds will be used to finance prior construction.

Timely progression of additional subsidization projects is required. To ensure this, there will be a first loan draw deadline, a construction contract notice of award deadline, and a loan forgiveness disbursement deadline. If projects identified as receiving additional subsidization do not meet these deadlines, the additional subsidization set-aside will be used to fund lower-ranked projects on the project priority list.

Disadvantaged Community Set-Aside

States shall provide additional loan subsidies (i.e., reduced interest or negative interest rate loans, principal forgiveness) to benefit communities meeting the definition of disadvantaged or which the state expects to become disadvantaged as the result of the project. A disadvantaged community is one in which the entire service area of a PWS meets affordability criteria established by the state following public review and comment. The value of the subsidies may not be less than 6 percent or more than 35 percent of the amount of the federal capitalization grant for any fiscal year. For 2022, the DWSRF will distribute at least 20 percent but not more than 21 percent of the amount of the capitalization grant.

Criteria for determining the amount of loan forgiveness is on a project-specific basis. Loan forgiveness will be based on the relative future water cost index (RFWCI). The RFWCI is defined as the ratio of the expected average annual residential water user charge resulting from the project, including costs recovered through special assessments, to the local median household income (based on the most-recent American Communities Survey 5-Year Estimate).

For 2022, projects with a RFWCI of 2.0 percent or greater will qualify for 75 percent loan forgiveness. Projects with a RFWCI of 1.5 percent to 1.9 percent will qualify for 40 percent loan forgiveness. Projects with a RFWCI of less than 1.5 percent will not qualify for any loan forgiveness. Projects that do not qualify for loan forgiveness still qualify for a traditional DWSRF loan.

Loan forgiveness will only be used to finance new construction. DWSRF loan and loan forgiveness can be bundled together with funding from other sources to form funding packages for projects. The combined loan forgiveness and grant in a bundled funding package must be less than or equal to 90 percent of project costs.

Timely progression of additional subsidization projects is required. To ensure this, there will be a first loan draw deadline, a construction contract notice of award deadline, and a loan forgiveness disbursement deadline. If projects identified as receiving additional subsidization do not meet these deadlines, the additional subsidization set-aside will be used to fund lower-ranked projects on the project priority list.

The fundable portion of the comprehensive project priority list depicts 20 percent plus \$100,000 additional subsidization through loan forgiveness.

Optional Non-Project Set-Asides

States may use a portion of their federal DWSRF allotment (up to specified ceilings) for the following non-project set-aside activities:

- DWSRF Program administration - the maximum of \$400,000, 1/5 percent of the current valuation of the fund, or 4 percent of all grant awards to the fund for the fiscal year.
- State program administration - up to 10 percent.
 - Public Water Supply Supervision (PWSS) Program
 - Source water protection program(s)
 - Capacity development program
 - Operator certification program
- Small system technical assistance (serving 10,000 or fewer people) - up to 2 percent.
- Local assistance and other state programs - up to 10 percent for any one activity with a maximum of 15 percent for all activities combined.
 - Loans to PWSs to acquire land or conservation easements for source water protection programs.
 - Loans to community water systems to implement source water protection measures or to implement recommendations in source water petitions.
 - Assist PWSs in capacity development.
 - Assist states in developing/implementing EPA-approved wellhead protection programs.

States may transfer funds among the non-project set-aside categories or between the loan fund and such set-aside categories, provided that the statutory set-aside ceilings

are not exceeded. Non-project set-aside funds may be transferred at any time to the loan fund. However, loan commitments must be made for the transferred funds within one year of the transfer of payments that have already been taken for the set-aside funds. Monies intended for the loan fund may be transferred to non-project set-asides only if no payments have yet been taken for the monies to be transferred. Otherwise, funds in or transferred to the loan fund must remain in the loan fund. Transfers may be done only if described in an IUP and approved by the EPA as part of a capitalization grant agreement or amendment.

Non-Project Set-Aside and Fee Activity

Appendix D depicts non-project set-aside and fee activity. The FY2022 federal DWSRF allotment for North Dakota is anticipated to be \$11,001,000. The NDDEQ does not intend to set aside any of the allotment for non-project activities and will instead utilize existing open capitalization grants and/or its 0.5 percent administration fee for funding these activities. The NDDEQ will reserve \$1,100,100 of PWSS Program set-aside funds from the FY2022 capitalization grant for use in future years, in addition to funds held in reserve from previous years. The NDDEQ will reserve its 2 percent set-aside for small system technical assistance (\$220,020) for use in future years. The DWSRF administration set-aside method used is the 1/5 percent of the current valuation of the fund option. The current valuation of the fund as of December 31, 2020 was \$269,837,000 according to audited financial statements, which results in an administration set-aside of \$539,674. All of this amount will be held in reserve for future years as the DWSRF Program will use the SRF administrative set-aside to fund DWSRF administrative activities.

Under the SDWA, states are permitted to assess fees on loans to support DWSRF administration costs. North Dakota DWSRF loan recipients are required to pay an annual loan administration fee presently set at 0.5 percent of the outstanding loan principal balance. This loan administration fee is payable semiannually on each loan payment date. The fees are held under the master trust indenture and are available to pay DWSRF administration costs allowable under the SDWA. Fees will also be used to fund Planning Assistance Reimbursement Grants as described below or for any of the purposes allowed in 40 CFR 35.3530(b)(2). To enable continued management of the DWSRF once the DWSRF is no longer annually capitalized through federal grants, loan administration fees will be held and used for loan-bond servicing and DWSRF administration as allowed under the SDWA. The loan administration fees were also used from 2008 to 2016 as a source of 1:1 match that is required when using the state program administration set-aside to administer the PWSS Program.

To meet congressional and EPA capitalization grant spend-down intent for the DWSRF Program, funds from any of the set-asides may be moved to the construction loan fund during 2021. This amount will also be held in reserve for use from future capitalization grants.

Planning Assistance Reimbursement (PAR) Grants

The DWSRF Program plans to offer grants to assist communities in developing shovel-ready projects. For 2022, grants will be awarded to communities with populations of less than 2,500 people on a first-come first-served basis. Applications will be sent to systems with projects that have been identified by the Intended Use Plan as potential loan forgiveness recipients in future years. Also, applications will be distributed to potential projects that plan to be included on future IUPs. Planning grants will be awarded to systems that intend to follow through with the study's recommendations and anticipate seeking a DWSRF loan to do so. The grant may cover up to 80% of the costs (for a maximum of \$15,000) for completion of a project-specific engineering report. Grants will be funded from the SRF administrative account.

Financial Status

The information presented below describes the financial structure of the North Dakota DWSRF, the method used to generate the required state match, transfers between state revolving loan funds (SRFs), the basis for approving loans, loan assistance terms (including a discussion concerning market interest rates in North Dakota), sources and intended use of funds, and special considerations for State and Tribal Assistance Grants (STAG) grants.

Financial Structure

Bonds for the 20 percent state match are issued by the PFA under a master trust indenture adopted by the Industrial Commission of North Dakota. The PFA may also issue leveraged bonds under the master trust indenture, the proceeds of which can be used to fund loans.

The current demand for DWSRF loan assistance in North Dakota exceeds authorized federal DWSRF allotments and the required state match for those allotments. Under the financial structure initially established for the DWSRF, excess leveraging and higher loan interest rates would be needed to satisfy this excess demand.

A modified financial structure within the existing master trust indenture has been implemented to better satisfy the continuing high demand for DWSRF financial assistance, yet avert excessive leveraging and higher loan interest rates. Under the modified structure, DWSRF allotments and state match bond proceeds will be used first to fund loans. Leveraged bonds will be issued only if (1) loan demand exceeds the amount of DWSRF allotments and state match available for loans or (2) deemed in the best interest of the program. If leveraged bonds are issued, they will be sized together with DWSRF allotments and state match to satisfy current cash flow needs as represented by the projected annual construction costs of eligible projects. This funding approach will expedite loan assistance to more projects that are ready to proceed to construction, avert premature or unnecessary bond issuances, and ensure a more reliable loan repayment stream to satisfy both bond debt service requirements and future loan demand.

In the event there are insufficient amounts available to make scheduled principal and interest payments on outstanding DWSRF bonds when payments are due, the master trust indenture for the DWSRF provides the trustee may transfer available excess revenues from the Clean Water State Revolving Fund (CWSRF) to the DWSRF bond fund to meet the deficiency. Following such a transfer, the DWSRF has an obligation to reimburse the CWSRF with future available DWSRF excess revenues.

State 20 Percent Match Requirement

Under the SDWA, states are required to match their DWSRF allotment at an amount at least equal to 20 percent. North Dakota has issued state match bonds to satisfy match requirements through FY2025. It is anticipated that additional State Match bonds will be issued in 2021 or 2022.

Anticipated Proportionality Ratio

Leveraged and state match bonds were sold in 2018. The required 20 percent state match has been provided through approximately FY2025. Payments were made using 100 percent state match funds until all of the match funds were disbursed. The program is in an over-matched condition at this time.

Disbursement of Funds

Funds will be disbursed in the following order: federal capitalization grants, state match bond proceeds, leveraged bond proceeds, and FCLA. All state match funds have been disbursed and the DWSRF is currently over-matched. Set-asides are closely monitored and disbursed quickly when requests are made to ensure timely expenditure and avoid over-accumulation. All federal funds are disbursed in a first-in, first-out manner.

Transfer of Funds Between DWSRF and CWSRF

At the governor's discretion, a state may transfer up to 33 percent of its DWSRF capitalization grant to the CWSRF or an equal amount from the CWSRF to the DWSRF. In addition to transferring grant funds, states can transfer state match, investment earnings, principal and interest repayments, unrestricted cumulative excess, restricted cumulative excess, or FCLA funds between SRF programs.

Transfers were authorized by the governor in 2002, 2004, 2007, 2009, and 2015. These funds are transferred between the programs on an as-needed basis. The governor's authorizations are as follows:

- 2002 - \$10 million from CWSRF to DWSRF
- 2004 - \$4 million from CWSRF to DWSRF
- 2007 - \$20 million from CWSRF to DWSRF (with provision to return funds to CWSRF as needed)
- 2009 - \$2.6 million of American Recovery and Reinvestment Act of 2009 funds from CWSRF to DWSRF
- 2015 - \$60 million from DWSRF to CWSRF (with provision to return funds to DWSRF as needed)

The NDDEQ is anticipating the transfer of funds from the CWSRF in 2022, as authorized in 2015. Approximately \$10 million of non-federal funds will be transferred.

The NDDEQ transfers funds on a net basis, since prior transfers have occurred between the two SRFs. The current net transfer between programs is \$25,529,972 from the CWSRF to the DWSRF. The \$10 million transfer from the CWSRF in 2022 will change the net transfers between programs to \$35,529,972. With this transfer, the DWSRF will be able to fund additional water projects during 2022. Transferring funds will not impact DWSRF set-aside funding. Appendix E itemizes the amount of funds transferred to and from the DWSRF Program.

Funding Process

Projects may be submitted to the NDDEQ each year for consideration and inclusion into an IUP. A new IUP is developed for public review and comment in the fall of each year. New and eligible projects for which ranking questionnaires are submitted are evaluated, ranked (if possible), and included on the comprehensive project priority list. Requests for re-ranking of previously listed and ranked projects are evaluated on a case-by-case basis and may require the completion of an updated ranking questionnaire.

Loan approvals are based on project ranking, readiness to proceed, and availability of funds based on cash flow considerations, including projected disbursements under already approved and potential new loans. The NDDEQ is prepared to issue leveraged bonds if the loan demand exceeds the amount of available DWSRF allotments and state match or if it is in the best interest of the program.

Loan Assistance Terms

The base repayment period for DWSRF loans under the SDWA is 30 years following project completion. The NDDEQ may utilize shorter repayment periods on a project-by-project basis depending on its useful life or the preference of the borrower. Candidate projects include low-cost projects for which minimal water rate increases will be required to retire the loan debt. A 30-year repayment period will be granted if it is determined that the principal portion of the loan for project components that have a useful life of 20 years or less will be paid off within 20 years. Project components considered having a 20-year or less useful life are process equipment, pumps, electrical equipment, controls, and auxiliary equipment. Project components considered to have a 30-year or more useful life are buildings, concrete, other structures, conveyance structures (piping), and earthen structures. The America's Water Infrastructure Act of 2018 authorizes loan terms of 40 years or the useful life of the project for disadvantaged communities and under certain circumstances when purchasing or refinancing debt

obligations for non-disadvantaged communities. The North Dakota DWSRF Program reserves the right to approve loan terms of up to 40 years or the useful life of the project.

The loan interest rate will be 1.5 percent for PWSs and may be adjusted, if necessary. Leveraged bonds will be discussed later in this section. As discussed under Set-Aside and Fee Activities, an annual loan fee of 0.5 percent is assessed on all loans to support DWSRF administration.

The SDWA requires that the interest rate for a loan be less than or equal to the market interest rate and will adjust as necessary. The NDDEQ will establish as the market interest rate the average interest rate received by North Dakota political subdivisions on bond issues with a 20-year maturity and sold on a competitive or negotiated basis during the prior quarter. This rate will be calculated and updated quarterly based upon the prior quarter bond sales. If there are no qualified bond sales, the market rate for that quarter will be calculated using comparable regional bond issues. Based upon second quarter 2021 North Dakota 20-year competitive bond sales, the current market interest rate is 2.3 percent.

Leveraging the fund is appropriate where financing needs significantly exceed available funds; however, it impacts the DWSRF by reducing the interest rate subsidy provided or reducing future loan capacity. By continuing to leverage, the program will be able to assist more communities currently on the priority list and help those communities achieve or remain in compliance with the SDWA. Loans necessitating leveraging will be subject to a loan interest rate (including the 0.5 percent administration fee) of 75 percent of the current market interest rate, if needed, to maintain program viability. The interest rate on these loans will be more than the regular DWSRF interest rate which currently is 2.0 percent (including the 0.5 percent administration fee). The DWSRF Program anticipates issuing bonds to leverage the program in 2021 or 2022.

The NDDEQ and the PFA strive to ensure continued long-term viability of the program to provide loans for eligible drinking water projects. To achieve this goal, the refinancing of completed DWSRF projects will not be allowed using the extended-term financing option or the latest interest rate.

Sources and Uses of Funds

Appendix F depicts a detailed breakdown of sources and uses of funds from FY1997 through FY2021. An additional \$69,001,000 of new funds is anticipated to become available in 2022, making \$10,982,669 available for projects. All the funds are allocated

to projects as shown in the Comprehensive Project Priority List and Fundable List (Appendix B).

Short- and Long-Term Goals

The 1996 SDWA Amendments authorize a DWSRF Program to assist PWSs in financing the costs of infrastructure needed to achieve or maintain compliance with SDWA requirements and to protect public health. The objectives of the NDDEQ's DWSRF Program include addressing public problems and priorities, ensuring compliance with the SDWA, assisting systems to ensure affordable drinking water, and maintaining the long-term viability of the fund. To address these objectives, the DWSRF Program will help ensure that North Dakota's public water supplies remain safe and affordable through prioritized financial assistance, enhanced source water protection activities, and increased technical assistance to small systems. The short and long-term goals set forth below are established to accomplish these objectives.

Short-Term Goals

1. On December 10, 2021, obtain North Dakota Department of Water Resources approval of this IUP.
2. Continue to implement the DWSRF Program for the state of North Dakota by funding projects for systems that are having problems maintaining compliance with the lead and copper rule, revised total coliform rule, ground water rule, the arsenic rule, the disinfection byproduct rule series, and the surface water treatment rule series.

Long-Term Goals

1. Help North Dakota PWSs achieve and maintain compliance with the SDWA. This is accomplished by coordinating with the PWSS Program and targeting those rules with which systems in the state are having problems maintaining compliance. These include the lead and copper rule, revised total coliform rule, ground water rule, the arsenic rule, the disinfection byproduct rule series, and the surface water treatment rule series.
2. Assist the PWSS Program in meeting goals. The DWSRF Program assistance includes providing technical support on infrastructure issues, capacity reviews, and small system technical assistance. Through the small system technical assistance set-aside, the DWSRF Program helps operators become certified and systems return to compliance and maintain capacity.
3. Administer the DWSRF Program in a manner that will maximize the long-term availability of funds for eligible and needed drinking water infrastructure improvements.
4. Assist North Dakota PWSs in improving drinking water quality, quantity, and dependability by providing reduced interest rate and long-term financial

assistance for eligible and needed drinking water infrastructure improvements. This infrastructure assistance helps with compliance of drinking water rules, regionalization/consolidation, and replacement of aging infrastructure.

5. To the greatest extent possible, continue to integrate DWSRF funding with other available funding to maximize the benefits to public water systems and needed drinking water projects statewide. The cooperating agencies include the U. S. Department of Agriculture, Community Development Block Grant Program, North Dakota Department of Land Trusts, the Bank of North Dakota, and the North Dakota State Water Commission.

Environmental Results

1. Loan Fund
 - a. Through December 31, 2020, the fund utilization rate (as measured by the ratio of executed loans to funds available for projects) was 103 percent which is above the June 30, 2020 national average of 96 percent. The 2022 goal is to maintain the fund utilization rate at 90 percent or above.
 - b. Through December 31, 2020, the rate at which projects progressed (as measured by disbursements as a percentage of assistance provided) was 91 percent. This is above the June 30, 2020 national average of 87 percent. The 2022 goal is to maintain the construction pace above 80 percent.
 - c. The DWSRF Program funded six projects in the first six months of 2021 totaling \$7,215,500 and serving a population of 48,143. The 2022 goal is to fund 12 loans totaling \$15 million and serving a population of 20,000.
2. Set-Asides, Small System Technical Assistance
 - a. The goal for the number of systems receiving training is 120.
 - b. The goal for the number of systems receiving on-site technical assistance is 50.

Public Participation

A state is required to make its annual IUP available to the public for review and comment prior to submitting it to the EPA as part of its capitalization grant application. States are also required to describe the public review process used and how major comments and concerns received were addressed.

Process

The public was invited to comment on the draft 2022 IUP at a public hearing held on Microsoft Teams on November 4, 2021. Written comments were accepted until November 18, 2021.

Comments provided were as follows:

- Lonni Fleck, Interstate Engineers, provided a comment on behalf of the city of Crosby regarding their water main replacement project (Tracking No. 1200211-22-01). She noted that the correct number of service connections was 624 rather than 1,013. The project was re-ranked.
- Carl Jackson, KLJ, provided a comment on behalf of the city of Dodge regarding their water distribution system improvements (Phase 2) project (Tracking No. 1300259-22-01). He noted that the correct project cost estimate was \$8.1 million rather than \$7 million. The project was re-ranked.
- Grant Dockter, Moore Engineering, provided a comment on behalf of the city of Napoleon. The city would like to include on the priority list a project to refinance an existing loan for a water main replacement project. The project was added to the priority list.

Appendix A

Eligible and Ineligible Projects and Project-Related Costs Under the Drinking Water State Revolving Loan Fund (DWSRF) Program

Examples of Eligible Projects and Project-Related Costs

- Projects that address present Safe Drinking Water Act (SDWA) exceedances.
- Projects that prevent future SDWA exceedances (applies only to regulations in effect).
- Projects to replace aging infrastructure.
- Rehabilitate or develop drinking water sources (excluding reservoirs, dams, dam rehabilitation, and water rights) to replace contaminated sources.
- Install or upgrade drinking water treatment facilities if the project would improve the quality of drinking water to comply with primary or secondary SDWA standards.
- Install or upgrade storage facilities, including finished water reservoirs, to prevent microbiological contaminants from entering the water system.
- Install or replace transmission and distribution piping to prevent contamination caused by leaks or breaks, or to improve water pressure to safe levels.
- Projects to restructure and consolidate water supplies to rectify a contamination problem, or to assist systems unable to maintain SDWA compliance for financial or managerial reasons (assistance must ensure compliance).
- Projects that purchase a portion of another system's capacity if such purchase will cost-effectively rectify an SDWA compliance problem.
- Land acquisition.
 - Land must be integral to the project (i.e., needed to meet or maintain compliance and further public health protection, such as land needed to locate eligible treatment or distribution facilities).
 - Acquisition must be from a willing seller.
- Planning (including required environmental assessment reports), design, and construction inspection costs associated with eligible projects.
- Service lines from the main to the house, including lead service lines.

Examples of Ineligible Projects and Project-Related Costs

- Dams or rehabilitation of dams.
- Water rights, except if the water rights are owned by a system that is being purchased through consolidation as part of a capacity development strategy.

- Reservoirs, except for finished water reservoirs and those reservoirs that are part of the treatment process and are located on the property where the treatment facility is located.
- Drinking water monitoring costs.
- Operation and maintenance costs.
- Projects needed mainly for fire protection.
- Projects for systems that lack adequate technical, managerial, and financial capability, unless assistance will ensure compliance.
- Projects for priority systems in the Enforcement Tracking Tool, unless funding will ensure compliance.
- Projects primarily intended to serve future growth.

Appendix B

Shaded projects are on the fundable list

Comprehensive Project Priority List and Fundable List for 2022

Priority Ranking	Tracking No.	System Name	Present Population	Project Description	Project Cost (\$1,000)	Construction Start Date	Est. Loan Term ⁵	Engineering Firm
175	1801056-21-01	Agassiz WUD	4,104	User and transmission expansion - Phase II	1,500	2022		AE2S
59	4001153-14-01	All Seasons WUD	754	Parallel & looped pipelines to increase flow in low pressure areas	796	2022		Bartlett & West
135	4001153-14-02	All Seasons WUD	754	Service to Turtle Mountains/Lake Metigoshe area	27,920	2022		Bartlett & West
136	4001153-15-01	All Seasons WUD	754	System 4 to system 1 interconnection	6,638	2022		Bartlett & West
3	4001153-21-01	All Seasons WUD	4,200	Refinance of projects for well, reservoir, SCADA, & pipeline improvements	3,929	-	20+	Bartlett & West
60	4001153-21-02	All Seasons WUD	4,200	Increased supply to area around and north of Rolla	371	2022		Bartlett & West
78	3000012-22-01	Almont	115	Water main & service line replacement	1,000	2022		Moore
5	0900017-22-01	Amenia ⁴	94	Water main replacement & looping, water meter replacement, & storage improvements	500	2023		Moore
24	3200023-21-01	Aneta	222	Water main replacement	3,000	2023		Moore
67	2600038-21-01	Ashley	700	Water tower replacement	2,000	2022		Moore
62	2600038-21-02	Ashley	700	Water main replacement & looping	1,000	2022		Moore
7	2600038-21-03	Ashley	700	WTP upgrade	2,500	2022		Moore
186	0201058-20-01	Barnes RWD	5,037	Additional storage at four booster stations	3,181	2022		Interstate
134	1700059-20-01	Beach	981	Water tower rehab	398	2022		AE2S
21	1700059-22-01	Beach ⁴	981	Water main & lead service line replacement, transmission main for looping	1,900	2022		AE2S
182	4500065-15-01	Belfield	1,013	Transmission line & pressure reducing valves	1,615	2023		Brosz
156	4500065-18-01	Belfield	1,000	Water main replacement	2,606	2022		AE2S
227	4500065-18-02	Belfield	1,000	Water storage rehab or replacement	3,193	2022		AE2S
277	5100072-18-02	Berthold	454	Water tower rehab	300	2022		Moore
111	5100072-21-01	Berthold	454	Water main, hydrant, gate valve, & service line replacement	5,000	2023		Moore
51	2900074-20-01	Beulah	3,328	Water main, hydrant, gate valve, & service line replacement	37,315	2022		Intestate
9	4800078-22-01	Bisbee ⁴	125	Water main, service line, gate valve, & hydrant replacement	3,600	2022		Apex
249	0800080-22-02	Bismarck	85,400	WTP expansion	60,000	2023		-
176	0800080-22-01	Bismarck ⁴	85,400	Water main & lead service line replacement	3,520	2022		-
259	0700114-20-01	Bowbells	301	Water tower site piping upgrades	100	2022		AE2S
267	0700114-20-02	Bowbells	301	Transmission line improvements	236	2022		AE2S
209	0700114-21-01	Bowbells	301	Water tower replacement	1,854	2022		AE2S
270	0700114-21-02	Bowbells	301	Water main looping (Railway St SE)	175	2022		AE2S
250	0600119-14-01	Bowman	1,620	Water main replacement (4th Ave W)	1,210	2022		Brosz
264	0600119-19-01	Bowman	1,620	Storage tank improvements	1,015	2022		Brosz
97	0900134-11-01	Buffalo	225	Water main, service line, gate valve, & hydrant replacement	1,900	2023		Moore
271	5100138-12-01	Burlington	1,310	Water storage tank	1,650	2023		Ackerman-Estvold
203	5100138-22-01	Burlington ⁴	1,310	Water main replacement	435	2022		Ackerman-Estvold

Priority Ranking	Tracking No.	System Name	Present Population	Project Description	Project Cost (\$1,000)	Construction Start Date	Est. Loan Term ⁵	Engineering Firm
79	4800152-13-02	Cando ⁴	1,115	Water main, service line, gate valve, & hydrant replacement	2,000	2022		Moore
170	1600159-20-01	Carrington	2,220	Water main replacement & rehab	1,000	2022		Interstate
245	1600159-22-01	Carrington	2,220	Water main to Dakota Growers Pasta Co.	500	2022		Interstate
32	1900162-22-01	Carson	238	Water main replacement (Railroad Ave, 1st Ave, & 2nd Ave)	4,700	2023		Moore
50	1900162-22-02	Carson	238	Water tank replacement	2,250	2023		Moore
109	0901060-16-01	Cass RWD	17,500	Transmission lines for correction of water quantity & pressure issues	7,500	2022		AE2S
157	0900166-20-01	Casselton	2,513	Water main, gate valve, & hydrant replacement	4,500	2024		Moore
151	0900166-22-01	Casselton	2,513	Water main, service line, gate valve, & hydrant replacement (2nd St N) & water main looping	1,350	2023		Moore
257	0900166-19-01	Casselton ⁴	2,513	Lead service line replacement	910	2022		Moore
81	3400170-22-01	Cavalier	1,302	Water main replacement (W 2nd Ave, Madison St, & River St)	1,316	2022		AE2S
1	3300174-22-01	Center	600	Reservoir improvements & water main replacement	3,100	2023		Moore
103	3900183-09-01	Christine	150	Water main, gate valve, & hydrant replacement	700	2022		Moore
36	2800194-20-02	Coleharbor	82	Water main & service line replacement	1,500	2022		Moore
274	3900196-06-01	Colfax	175	Water main for redundancy	656	2022		Interstate
94	3900196-22-01	Colfax	175	Reservoir improvements	800	2023		Interstate
179	0700198-16-01	Columbus	133	Water main replacement	1,700	2022		Ackerman-Estvold
14	1200211-22-01	Crosby ⁴	1,065	Water main replacement	3,115	2024		Interstate
220	2001061-21-01	Dakota RWD	3,869	Service to users on private wells	750	2022		AE2S
71	2001061-21-02	Dakota RWD	3,869	Well & WTP expansion for service to Hannaford	750	2023		AE2S
158	0900217-11-01	Davenport	293	Pump station & water storage replacement, distribution system redundancy	1,035	2022		Interstate
19	0200226-22-01	Dazey	104	Electrical upgrades, generator installation, pump repair	120	2022		Interstate
201	4500242-21-01	Dickinson ⁴	22,000	Water main, lead service line, & hydrant replacement (Sims St)	2,500	2022		Apex
202	4500242-22-01	Dickinson ⁴	22,000	Water main, lead service line, & hydrant replacement (4th Ave W & 5th Ave W)	1,500	2022		Apex
47	1300259-22-01	Dodge	101	Water distribution system improvements (Phase 2)	8,100	2022		KLJ
98	3400269-21-01	Drayton	751	Water main & hydrant replacement	5,000	2022		Moore
187	1801062-15-01	East Central RWD	21,098	Transmission lines	1,372	2022		AE2S
115	1801062-21-01	East Central RWD	21,098	Transmission line & WTP improvements	2,250	2023		AE2S
37	1900303-21-01	Elgin	642	Water main replacement	2,300	2022		Moore
89	3700314-02-01	Enderlin	890	Well field & transmission line	1,700	2024		Moore
126	3700314-02-03	Enderlin	890	WTP improvements	4,700	2025		Moore
127	3700314-08-01	Enderlin	890	Water tower replacement	2,000	2024		Moore
128	3700314-02-02	Enderlin ⁴	890	Water main replacement	900	2024		Moore

Priority Ranking	Tracking No.	System Name	Present Population	Project Description	Project Cost (\$1,000)	Construction Start Date	Est. Loan Term ⁵	Engineering Firm
124	3900333-06-01	Fairmount	367	Water main, gate valve, hydrant, & service line replacement	800	2022		Moore
235	0900336-11-01	Fargo	166,000	High service pump station modifications	9,343	2024		AE2S
236	0900336-11-02	Fargo	166,000	WTP residuals facility	38,246	2024		AE2S
206	0900336-21-01	Fargo	166,000	Sheyenne River Fargo emergency water supply pipeline	5,150	2023		AE2S
207	0900336-18-02	Fargo ⁴	166,000	Lead service line replacement	1,200	2023		AE2S
114	3000342-20-01	Flasher	290	Curb stop & water meter replacement	350	2022		Moore
93	0700334-13-02	Flaxton	74	Water main, gate valve, hydrant, & service line replacement	455	2022		Ackerman-Estvold
52	1100345-15-01	Forbes	53	Water main, service line, meter, gate valve, & hydrant replacement	1,500	2023		Moore
82	4100357-08-01	Forman	504	Water tower replacement	1,200	2022		Interstate
38	4100357-14-01	Forman	504	Well improvements & transmission line replacement	750	2022		Interstate
46	4100357-15-01	Forman	504	Distribution system upgrades	1,030	2022		Interstate
56	2400380-19-01	Gackle	310	Water meter & pump house improvements & water main replacement	500	2022		Moore
104	2800389-13-01	Garrison	1,462	WTP improvements	5,000	2022		Moore
147	2800389-15-01	Garrison	1,462	Intake structure replacement	3,500	2022		Moore
215	2801430-19-01	Garrison RWD	1,480	Water mains, gate valves, & hydrants	1,000	2022		Ackerman-Estvold
86	2800389-13-02	Garrison ⁴	1,462	Water main replacement & looping	2,500	2022		Moore
17	3000400-22-01	Glen Ullin	807	Water reservoir, transmission line, water meter, & control improvements	1,500	2022		Moore
2	3000400-19-02	Glen Ullin ²	807	Water main replacement & looping	4,500	2022	30	Moore
96	3800397-13-01	Glenburn ⁴	380	Water main, gate valve, hydrant, & service line replacement	5,500	2022		Moore
190	5000408-02-01	Grafton	4,913	WTP improvements	5,150	2040		AE2S
192	5000408-03-01	Grafton	4,913	Park River water intake improvements	2,060	2036		AE2S
188	5000408-16-01	Grafton	4,913	Raw water transmission line	6,798	2029		AE2S
191	5000408-16-02	Grafton	4,913	Red River water intake improvements	4,200	2028		AE2S
171	1800410-20-01	Grand Forks	57,122	Existing WTP decommissioning	5,150	2022		AE2S
172	1800410-21-01	Grand Forks ⁴	57,365	Lead service line replacement	375	2022		-
208	2500415-12-01	Granville	330	Water main & gate valve replacement	476	2022		Ackerman-Estvold
229	5300425-20-01	Grenora	350	Water main replacement (Main St)	1,913	2023		Ackerman-Estvold
258	5300425-20-02	Grenora	350	Water main replacement (Jetson St)	622	2022		Ackerman-Estvold
213	5300425-20-03	Grenora	350	Storage tank replacement	3,435	2024		Ackerman-Estvold
95	5300425-20-04	Grenora	350	Water treatment & softening	3,118	2026		Ackerman-Estvold
230	5300425-20-05	Grenora	350	Well #1 rehabilitation	1,664	2026		Ackerman-Estvold
228	5300425-20-06	Grenora	350	Well #2 rehabilitation	1,951	2026		Ackerman-Estvold
238	3900433-20-01	Hankinson	921	Water main extension	134	2022		Bolton & Menk
239	3900433-22-01	Hankinson	921	Redundant water transmission line	1,300	2022		Bolton & Menk

Priority Ranking	Tracking No.	System Name	Present Population	Project Description	Project Cost (\$1,000)	Construction Start Date	Est. Loan Term ⁵	Engineering Firm
16	2000446-09-01	Hannaford	150	Water tower replacement & pump house improvements	1,500	2023		Moore
27	5200458-16-01	Harvey	1,783	WTP improvements	800	2023		Moore
268	0900460-16-01	Harwood	718	Water main looping	1,000	2023		Moore
260	2900470-22-01	Hazen ⁴	2,411	Lead service line replacement	1,000	2023		Moore
99	3000473-20-01	Hebron	867	Water main replacement	3,200	2023		AE2S
141	3000473-22-01	Hebron	867	Water main replacement (Summit Ave)	178	2022		AE2S
73	0100476-20-01	Hettinger	1,200	Water main, gate valve, & hydrant replacement	1,370	2022		Brosz
132	4600487-08-01	Hope	258	Water main extension	210	2022		Moore
265	0900488-15-01	Horace	1,750	Water tower improvements	400	2022		Interstate
269	0900488-16-01	Horace	1,750	Water main, gate valve, & hydrant replacement	5,291	2022		Interstate
68	0900488-18-01	Horace	1,750	WTP improvements	7,098	2022		Interstate
205	0900488-20-01	Horace	1,750	Connection to Cass RWD	1,500	2022		Interstate
70	0900452-15-01	Hunter	261	Pump house upgrades & water tower replacement	2,300	2022		Moore
118	0900452-15-02	Hunter	261	Water main replacement	3,400	2022		Moore
194	4700498-09-01	Jamestown	16,000	Remote reading water meters & software	2,835	2022		Interstate
197	4700498-13-01	Jamestown	16,000	WTP, storage, & distribution system SCADA improvements	455	2022		Interstate
145	4700498-13-02	Jamestown	16,000	WTP filter controls & filter media replacement	860	2022		Interstate
195	4700498-14-02	Jamestown	16,000	Transmission line to improve flow to NE pressure zone	4,968	2022		Interstate
173	4700498-18-01	Jamestown	16,000	Pitless unit well improvements	200	2022		Interstate
198	4700498-19-01	Jamestown	16,000	Backwash recycle system	400	2022		Interstate
199	4700498-19-02	Jamestown	16,000	Water tower improvements	350	2022		Interstate
174	4700498-22-01	Jamestown ⁴	16,000	Water main replacement	1,500	2023		Interstate
12	2300508-15-01	Jud	72	Distribution system & pump house improvements	350	2022		Moore
210	1500515-15-01	Kenmare	1,013	Water main, gate valve, & hydrant replacement	575	2022		Ackerman-Estfold
253	2300535-09-01	Kulm	402	Water tower repair	100	2022		-
49	3200536-22-01	Lakota	625	Valve & ARV replacement on raw water transmission line, hydrant replacement	925	2022		Apex
162	2300537-14-01	LaMoure	889	Water main replacement & looping	525	2022		Moore
139	1000543-09-01	Langdon	1,878	Water main replacement	2,100	2022		Moore
246	1000543-09-02	Langdon	1,878	Water tower rehabilitation	475	2022		Moore
241	1000543-21-01	Langdon	1,878	Water main looping	770	2022		Moore
85	0300553-13-01	Leeds	427	Well & transmission line upgrades	500	2022		Moore
144	0300553-13-02	Leeds	427	WTP improvements	425	2022		Moore
100	0300553-20-01	Leeds	427	Water main, gate valve, & hydrant replacement (1st St S)	525	2022		Moore
165	0300553-13-03	Leeds ⁴	427	Lead service line replacement	650	2022		Moore
48	2600556-11-01	Lehr	80	Water main replacement	500	2023		Moore
23	3900567-16-01	Lidgerwood	652	Water main replacement	608	2022		Interstate
149	1500571-21-01	Linton	990	Curb stop replacement	1,500	2022		Moore

Priority Ranking	Tracking No.	System Name	Present Population	Project Description	Project Cost (\$1,000)	Construction Start Date	Est. Loan Term ⁵	Engineering Firm
161	3700574-11-01	Lisbon	2,154	Water well	200	2022		Moore
101	3700574-11-02	Lisbon	2,154	Water main replacement	2,500	2022		Moore
108	3700574-14-01	Lisbon	2,154	WTP upgrades	1,000	2022		Moore
4	0300587-22-01	Maddock	384	WTP rehabilitation & water tower replacement	3,300	2022	20+	Ulteig
15	5100593-13-01	Makoti	154	Well improvements & transmission line	400	2022		Moore
18	5100593-13-02	Makoti	154	Water main replacement	2,000	2022		Moore
272	3000596-13-03	Mandan	82,990	Distribution system improvements (Boundary Road PRV)	661	2023		AE2S
261	3000596-19-01	Mandan	82,990	Reservoir replacement	3,566	2025		AE2S
152	3000596-21-01	Mandan	82,990	Memorial Highway water main upgrade	5,500	2022		AE2S
273	3000596-21-02	Mandan	82,990	South end pump station expansion	419	2024		AE2S
177	3000596-22-01	Mandan	82,990	WTP optimization (Phase III)	6,587	2024		AE2S
256	3000596-22-02	Mandan ⁴	82,990	Lead service line replacement	200	2022		AE2S
153	0900613-20-01	Mapleton	1,240	Water main replacement & looping	500	2023		Moore
80	2800619-18-01	Max	334	Water main & service line replacement	574	2022		Ackerman-Estvold
107	2800619-20-01	Max	334	Gate valve replacement	143	2022		Ackerman-Estvold
148	4900622-16-01	Mayville	1,858	WTP upgrades	790	2022		Moore
10	4200626-22-01	McClusky	380	Water main, valve, & hydrant replacement	300	2023		Moore
53	2801400-19-01	McLean Sheridan RWD	3,536	WTP & distribution system improvements	3,000	2022		AE2S
164	2801400-22-01	McLean Sheridan RWD	2,450	McClusky water tower replacement	4,200	2022		Moore
219	2801400-22-02	McLean Sheridan RWD	3,536	Service to residents on private wells in Strawberry Lake area	600	2024		AE2S
31	3200626-19-01	McVille	375	WTP improvements	1,000	2023		Moore
33	3200626-22-01	McVille	375	Water tower replacement	1,500	2023		Moore
11	3200626-22-02	McVille	375	Water main replacement & looping	9,600	2024		Moore
26	4700637-16-01	Medina	300	WTP & well house improvements	840	2022		Moore
83	4700637-16-02	Medina	300	Water main replacement	2,600	2022		Moore
91	4700637-16-03	Medina	300	Water tower replacement	1,000	2022		Moore
138	TBD-20-01	Metro Flood Diversion Authority	19,500	Existing drinking water infrastructure relocation for flood resiliency	17,500	2022		AE2S
137	TBD-22-01	Metro Flood Diversion Authority	19,500	USACE southern embankment & infrastructure	19,000	2023		AE2S
247	3200653-13-01	Michigan	345	Water tower improvements	75	2023		Moore
102	4101425-19-01	Milnor	638	Control replacement, booster station renovation, generator, water main	490	2022		Interstate
263	5100660-22-01	Minot ⁴	80,000	Lead service line replacement	5,012	2023		-
211	3001431-22-01	Missouri West WS	6,230	Distribution system improvements	1,500	2022		Bartlett & West
242	3800695-14-01	Mohall	705	Water main looping	490	2023		Ackerman-Estvold
140	3800695-21-01	Mohall	705	Water main replacement	601	2022		Ackerman-Estvold
69	3900703-11-01	Mooreton	197	Gate valve replacement, control upgrades, & bladder tank storage	400	2022		Interstate
8	2100704-22-01	Mott	728	Pump house improvements & water tower replacement	2,000	2022		Moore
39	2100704-22-02	Mott	728	Water main replacement	1,500	2022		Moore

Priority Ranking	Tracking No.	System Name	Present Population	Project Description	Project Cost (\$1,000)	Construction Start Date	Est. Loan Term ⁵	Engineering Firm
54	2400715-13-01	Napoleon	707	Service to residents on private wells, water storage, well, meter, & water main replacement	2,000	2022		Moore
169	2400715-22-01	Napoleon	767	Refinance of water main replacement	3,100	-		Moore
204	2100726-20-01	New England	600	Water main replacement & looping	840	2022		Moore
251	2100726-22-01	New England	600	Refinance of Water System Improvement District No. 2015-1, Phase 1	2,533	-		Moore
252	2100726-22-02	New England	600	Refinance of Water Replacement District No. 2016-1, Phase 2	2,499	-		Moore
178	2100726-22-03	New England	600	Refinance of Water Improvement District No. 2017-1, Phase 3	963	-		Moore
28	1900731-22-01	New Leipzig	218	Water main replacement	708	2023		Moore
29	1400732-12-01	New Rockford	1,391	Water main replacement & WTP upgrades	5,800	2022		Interstate
166	3100744-18-02	New Town	2,524	Water main & service line replacement	406	2022		Ackerman-Estvold
125	1200748-18-01	Noonan	144	Water main replacement (Main St)	748	2023		Ackerman-Estvold
72	1200748-20-01	Noonan	144	Water main replacement (Washington St)	598	2023		Ackerman-Estvold
214	5101189-19-01	North Prairie RWD	13,000	Generators at reservoirs & booster stations	650	2023		Interstate
183	5101189-22-01	North Prairie RWD	13,000	Distribution system improvements (E of Hwy 41 & N of Velve)	500	2023		Interstate
185	1001380-21-02	Northeast RWD	5,773	Service to Milton	250	2023		AE2S
160	1100758-09-01	Oakes	1,856	Water reservoir, pumping station, & transmission line	720	2022		Moore
232	1100758-11-01	Oakes	1,856	WTP Improvements	2,000	2022		Moore
233	1100758-11-02	Oakes	1,856	Well & well house replacement	400	2022		Moore
119	0300762-15-01	Oberon	104	Distribution system replacement	3,200	2022		Moore
113	0300762-15-02	Oberon	104	Well & pump house replacement	550	2022		Moore
61	0200763-09-01	Oriska	128	Reservoir & pump house replacement	550	2022		Moore
189	3100775-21-01	Parshall	903	Water main looping	670	2022		AE2S
105	3100775-22-01	Parshall	903	Water supply line improvements	9,000	2023		AE2S
243	31000798-16-02	Plaza	171	Hydrant rehab or replacement	530	2021		AE2S
275	0700800-19-01	Portal	150	Water main looping	150	2022		Ackerman-Estvold
276	0700800-19-02	Portal	150	Hydrant & gate valve replacement	100	2022		Ackerman-Estvold
87	4900803-08-01	Portland	606	Water tower replacement & water main looping	1,400	2022		Moore
237	2800825-20-01	Riverdale	226	Gate valve replacement	1,000	2022		Moore
212	2800825-20-02	Riverdale	226	Raw water supply line replacement	4,500	2022		Moore
13	2200827-16-01	Robinson	37	Pumping system improvements & water main, gate valve, hydrant, & curb stop replacement	500	2022		Moore
196	4000833-19-01	Rolette	594	Water meters and meter reading software	200	2022		Moore
122	4000834-20-01	Rolla ⁴	1,280	Lead service line replacement	543	2022		AE2S
88	3500842-20-01	Rugby	7,111	WTP upgrades- Phase 3	618	2022		AE2S
92	3500842-21-01	Rugby	7,111	Distribution system replacement	2,000	2024		AE2S
40	3500842-21-03	Rugby	7,111	Raw water line & air release valve replacement	3,322	2022		AE2S
163	4100848-16-01	Rutland	163	Water main replacement & looping	600	2025		Interstate
168	4100848-22-01	Rutland	163	Water tower replacement	1,100	2024		Interstate

Priority Ranking	Tracking No.	System Name	Present Population	Project Description	Project Cost (\$1,000)	Construction Start Date	Est. Loan Term ⁵	Engineering Firm
117	5100849-21-01	Ryder	80	Water tower replacement	1,800	2022		-
184	0200858-13-01	Sanborn	194	Water main, service line, gate valve, & hydrant replacement	650	2023		Moore
180	5100868-14-01	Sawyer	367	Water main, gate valve, & hydrant replacement	1,000	2022		Moore
159	0600869-22-01	Scranton	365	Water main replacement	1,170	2022		Brosz
231	3800877-15-01	Sherwood	256	Water main replacement	427	2022		Ackerman-Estvold
226	3800877-22-01	Sherwood	256	Water main replacement (12 block area)	1,099	2022		Ackerman-Estvold
120	1400879-15-01	Sheyenne	204	Water main replacement	3,100	2022		Moore
234	4500891-19-01	South Heart	307	Water main replacement	3,165	2022		Brosz
240	3901068-14-01	Southeast WUD	8,862	Automated meter reading system	2,000	2022		AE2S
193	3901068-20-01	Southeast WUD	8,862	WTP improvements or regionalization	12,645	2022		AE2S
200	3100898-19-01	Stanley ⁴	2,400	Water main, service line, gate valve, & hydrant replacement	8,700	2021		Brosz
34	4700922-12-01	Streeter	170	Water main extension & looping	500	2022		Interstate
25	4700922-13-01	Streeter	170	WTP improvements	500	2022		Interstate
20	4700922-13-02	Streeter	170	Well & pump house improvements	800	2022		Interstate
35	4701303-19-01	Stutsman RWD	6,600	Service to Streeter	776	2022		Bartlett & West
55	4701303-19-04	Stutsman RWD	6,600	Transmission lines & WTP improvements to accommodate new well	4,264	2022		Bartlett & West
254	5100923-22-01	Surrey	1,358	Hydrant & gate valve replacement	150	2023		AE2S
143	5100923-22-02	Surrey	1,358	Distribution system upgrades (Wenz Additions)	1,400	2023		AE2S
262	5200927-13-01	Sykeston	117	Water main, corporation, curb stop, & hydrant replacement	250	2022		Moore
154	5301152-16-01	Tioga	2,500	Water main replacement	9,500	2022		Moore
255	0900945-09-01	Tower City	252	Water tower improvements	500	2022		Moore
146	0900945-12-01	Tower City	252	Water main & hydrant replacement	2,100	2022		Moore
244	0900945-19-01	Tower City	252	Refinance of gate valve & service line replacement	600	-		Moore
84	2500946-21-01	Towner	571	Connection to rural water or WTP improvements	2,060	2022		AE2S
64	2800949-20-01	Turtle Lake	575	Water main replacement & looping	1,000	2022		Moore
181	2800953-22-01	Underwood	850	Water tower & meter replacement	2,000	2022		-
66	2500956-16-01	Upham	133	Water main, gate valve, hydrant, & service line replacement	508	2022		Ackerman-Estvold
155	5101074-21-01	Upper Souris WD	1,365	Parallel pipelines, pump station improvements, & SCADA to increase flow & pressure	1,049	2022		AE2S
130	0200958-20-02	Valley City	6,585	Water main & service line replacement	825	2022		KLJ
131	0200958-21-01	Valley City	6,585	Water main & service line replacement (6th Ave NW)	500	2023		KLJ
90	0200958-22-02	Valley City	6,585	NW standpipe/water tower replacement	3,000	2023		KLJ
74	0200958-22-01	Valley City ⁴	6,585	Water main & service line replacement (2nd Ave NE & 3rd St NE)	750	2023		KLJ
75	0200958-22-03	Valley City ⁴	6,585	NW water main replacement	750	2023		KLJ
129	0200958-22-04	Valley City ⁴	6,585	Lead service line replacement	2,000	2023		Moore

Priority Ranking	Tracking No.	System Name	Present Population	Project Description	Project Cost (\$1,000)	Construction Start Date	Est. Loan Term ⁵	Engineering Firm
142	2500964-19-01	Velva ⁴	1,265	Water main & service line replacement	604	2022		Ackerman-Estvold
45	2300969-12-01	Verona	85	Water main & meter replacement	515	2022		Moore
58	2300969-14-01	Verona	85	Reservoir & pump house replacement	300	2022		Moore
150	2300969-19-01	Verona	85	Water meter replacement	100	2022		Moore
65	3900973-04-01	Wahpeton	7,766	Water main replacement & looping (4th St, Oakwood Court, 8th Ave S, 5th Ave N)	284	2023		
30	3900973-16-01	Wahpeton	7,766	WTP improvements	10,707	2025		Stantec
41	3900973-18-01	Wahpeton	7,766	Water main replacement (12th St & Loy Ave)	1,416	2022		Interstate
42	3900973-18-03	Wahpeton	7,766	Water main replacement (15th Ave N & 14th St N)	1,102	2024		
63	3900973-19-01	Wahpeton	7,766	Well field relocation, well house, & controls	6,654	2023		Interstate
43	3900973-18-04	Wahpeton ⁴	7,766	Water main replacement (8th Ave N)	1,715	2023		Interstate
44	3900973-19-02	Wahpeton ⁴	7,766	Water main and service line replacement	1,196	2022		Interstate
133	5001075-19-01	Walsh RWD	3,448	Service to residents on private wells, pipelines to increase capacity, & interconnection with NRWD	500	2022		AE2S
248	2800989-18-01	Washburn	1,313	Intake, wet well, & pump house	4,835	2022		AE2S
266	5301686-20-01	WAWSA	0	Acquisition of Williston WTP	7,155	-		AE2S
112	5301686-21-01	WAWSA	0	2022 improvements & expansion	16,500	2022		AE2S
216	5101447-16-01	West River WD	650	Service line replacement	471	2022		Ackerman-Estvold
123	0501001-09-01	Westhope	429	Water main & service line replacement	477	2022		Ackerman-Estvold
121	0501001-22-01	Westhope	429	Water main & service line replacement	1,133	2022		Ackerman-Estvold
167	5301011-20-01	Wildrose	150	Water main replacement	562	2023		Ackerman-Estvold
279	5201012-19-04	Williston	30,000	Water main improvements (47th St, 6th Ave, 44th St)	711	2023		AE2S
278	5201012-19-05	Williston	30,000	Water main improvements (Borsheim Addition)	2,266	2023		AE2S
280	5201012-19-06	Williston	30,000	Water main improvements (Front St & Reiger Dr)	1,492	2023		AE2S
281	5201012-22-06	Williston	30,000	Water main along 9th Ave	257	2022		AE2S
282	5201012-22-07	Williston	30,000	Water meter replacement	2,500	2022		AE2S
221	5201012-22-01	Williston ⁴	30,000	Water main & service line replacement (1st Ave W)	257	2023		AE2S
222	5201012-22-02	Williston ⁴	30,000	Water main & service line replacement (5th Ave W, phase 1)	604	2024		AE2S
223	5201012-22-03	Williston ⁴	30,000	Water main & service line replacement (5th Ave W, phase 2)	627	2025		AE2S
224	5201012-22-04	Williston ⁴	30,000	Water main & service line replacement (7th Ave W, phase 1)	531	2026		AE2S
225	5201012-22-05	Williston ⁴	30,000	Water main and service line replacement	562	2027		AE2S
110	0801031-18-01	Wilton ⁴	750	Water main replacement	8,235	2022		Moore
6	0801036-19-01	Wing	152	Water tower, water main, hydrant, & gate valve replacement	1,400	2022		Moore
22	0801036-20-01	Wing	152	Distribution system replacement	1,400	2022		Moore
77	0801036-21-01	Wing	152	Chemical feed building & equipment, decommissioning of well house & well, controls & gate valve for water tower	425	2022		Moore

Priority Ranking	Tracking No.	System Name	Present Population	Project Description	Project Cost (\$1,000)	Construction Start Date	Est. Loan Term ⁵	Engineering Firm
217	2601037-18-01	Wishek	1,002	Water meters and meter reading software	410	2022		Interstate
218	2601037-20-01	Wishek	1,002	Hydrant replacement	350	2022		Interstate
116	2601037-20-02	Wishek	1,002	Iron & manganese removal equipment	1,200	2022		Interstate
106	3901043-08-01	Wyndmere	454	Distribution system improvements	1,000	2023		Bolton & Menk
76	3901043-16-01	Wyndmere	454	Service line, water meter, & SCADA system replacement	1,000	2023		Bolton & Menk
57	3901043-20-02	Wyndmere	454	Distribution system improvements (Phase II & III- from 3rd St to the west)	8,000	2023		Bolton & Menk

Total Project Cost: 746,432

¹ Twenty percent of the capitalization grant amount will be provided as loan forgiveness to disadvantaged communities. Because the actual capitalization grant amount has not yet been determined, a funding level of \$2,202,200 has been assumed for additional subsidization (as loan forgiveness). Adjustments will be made, as necessary, based on the actual capitalization grant amount.

² These projects appear eligible for 75% loan forgiveness. The actual loan forgiveness amount is dependent upon available funds. Loan forgiveness eligibility will be confirmed when the loan application is submitted.

³ These projects appear eligible for 40% loan forgiveness. The actual loan forgiveness amount is dependent upon available funds. Loan forgiveness eligibility will be confirmed when the loan application is submitted.

⁴ These projects appear eligible for lead service line replacement loan forgiveness. The actual loan forgiveness amount is dependent upon available funds. Loan forgiveness eligibility will be confirmed when the loan application is submitted.

⁵ Estimated length of the loan term only. The loan term will be set at the time of loan approval.

Appendix B

Shaded projects are on the fundable list

Comprehensive Project Priority List and Fundable List for 2022

Priority Ranking	Tracking No.	System Name	Present Population	Project Description	Project Cost (\$1,000)	Construction Start Date	Est. Loan Term ⁵	Engineering Firm
1	3300174-22-01	Center	600	Reservoir improvements & water main replacement	3,100	2023		Moore
2	3000400-19-02	Glen Ullin ²	807	Water main replacement & looping	4,500	2022	30	Moore
3	4001153-21-01	All Seasons WUD	4,200	Refinance of projects for well, reservoir, SCADA, & pipeline improvements	3,929	-	20+	Bartlett & West
4	0300587-22-01	Maddock	384	WTP rehabilitation & water tower replacement	3,300	2022	20+	Ulteig
5	0900017-22-01	Amenia ⁴	94	Water main replacement & looping, water meter replacement, & storage improvements	500	2023		Moore
6	0801036-19-01	Wing	152	Water tower, water main, hydrant, & gate valve replacement	1,400	2022		Moore
7	2600038-21-03	Ashley	700	WTP upgrade	2,500	2022		Moore
8	2100704-22-01	Mott	728	Pump house improvements & water tower replacement	2,000	2022		Moore
9	4800078-22-01	Bisbee ⁴	125	Water main, service line, gate valve, & hydrant replacement	3,600	2022		Apex
10	4200626-22-01	McClusky	380	Water main, valve, & hydrant replacement	300	2023		Moore
11	3200626-22-02	McVille	375	Water main replacement & looping	9,600	2024		Moore
12	2300508-15-01	Jud	72	Distribution system & pump house improvements	350	2022		Moore
13	2200827-16-01	Robinson	37	Pumping system improvements & water main, gate valve, hydrant, & curb stop replacement	500	2022		Moore
14	1200211-22-01	Crosby ⁴	1,065	Water main replacement	3,115	2024		Interstate
15	5100593-13-01	Makoti	154	Well improvements & transmission line	400	2022		Moore
16	2000446-09-01	Hannaford	150	Water tower replacement & pump house improvements	1,500	2023		Moore
17	3000400-22-01	Glen Ullin	807	Water reservoir, transmission line, water meter, & control improvements	1,500	2022		Moore
18	5100593-13-02	Makoti	154	Water main replacement	2,000	2022		Moore
19	0200226-22-01	Dazey	104	Electrical upgrades, generator installation, pump repair	120	2022		Interstate
20	4700922-13-02	Streeter	170	Well & pump house improvements	800	2022		Interstate
21	1700059-22-01	Beach ⁴	981	Water main & lead service line replacement, transmission main for looping	1,900	2022		AE2S
22	0801036-20-01	Wing	152	Distribution system replacement	1,400	2022		Moore
23	3900567-16-01	Lidgerwood	652	Water main replacement	608	2022		Interstate
24	3200023-21-01	Aneta	222	Water main replacement	3,000	2023		Moore
25	4700922-13-01	Streeter	170	WTP improvements	500	2022		Interstate
26	4700637-16-01	Medina	300	WTP & well house improvements	840	2022		Moore
27	5200458-16-01	Harvey	1,783	WTP improvements	800	2023		Moore
28	1900731-22-01	New Leipzig	218	Water main replacement	708	2023		Moore
29	1400732-12-01	New Rockford	1,391	Water main replacement & WTP upgrades	5,800	2022		Interstate
30	3900973-16-01	Wahpeton	7,766	WTP improvements	10,707	2025		Stantec
31	3200626-19-01	McVille	375	WTP improvements	1,000	2023		Moore
32	1900162-22-01	Carson	238	Water main replacement (Railroad Ave, 1st Ave, & 2nd Ave)	4,700	2023		Moore
33	3200626-22-01	McVille	375	Water tower replacement	1,500	2023		Moore

Priority Ranking	Tracking No.	System Name	Present Population	Project Description	Project Cost (\$1,000)	Construction Start Date	Est. Loan Term ⁵	Engineering Firm
34	4700922-12-01	Streeter	170	Water main extension & looping	500	2022		Interstate
35	4701303-19-01	Stutsman RWD	6,600	Service to Streeter	776	2022		Bartlett & West
36	2800194-20-02	Coleharbor	82	Water main & service line replacement	1,500	2022		Moore
37	1900303-21-01	Elgin	642	Water main replacement	2,300	2022		Moore
38	4100357-14-01	Forman	504	Well improvements & transmission line replacement	750	2022		Interstate
39	2100704-22-02	Mott	728	Water main replacement	1,500	2022		Moore
40	3500842-21-03	Rugby	7,111	Raw water line & air release valve replacement	3,322	2022		AE2S
41	3900973-18-01	Wahpeton	7,766	Water main replacement (12th St & Loy Ave)	1,416	2022		Interstate
42	3900973-18-03	Wahpeton	7,766	Water main replacement (15th Ave N & 14th St N)	1,102	2024		
43	3900973-18-04	Wahpeton ⁴	7,766	Water main replacement (8th Ave N)	1,715	2023		Interstate
44	3900973-19-02	Wahpeton ⁴	7,766	Water main and service line replacement	1,196	2022		Interstate
45	2300969-12-01	Verona	85	Water main & meter replacement	515	2022		Moore
46	4100357-15-01	Forman	504	Distribution system upgrades	1,030	2022		Interstate
47	1300259-22-01	Dodge	101	Water distribution system improvements (Phase 2)	8,100	2022		KLJ
48	2600556-11-01	Lehr	80	Water main replacement	500	2023		Moore
49	3200536-22-01	Lakota	625	Valve & ARV replacement on raw water transmission line, hydrant replacement	925	2022		Apex
50	1900162-22-02	Carson	238	Water tank replacement	2,250	2023		Moore
51	2900074-20-01	Beulah	3,328	Water main, hydrant, gate valve, & service line replacement	37,315	2022		Intestate
52	1100345-15-01	Forbes	53	Water main, service line, meter, gate valve, & hydrant replacement	1,500	2023		Moore
53	2801400-19-01	McLean Sheridan RWD	3,536	WTP & distribution system improvements	3,000	2022		AE2S
54	2400715-13-01	Napoleon	707	Service to residents on private wells, water storage, well, meter, & water main replacement	2,000	2022		Moore
55	4701303-19-04	Stutsman RWD	6,600	Transmission lines & WTP improvements to accommodate new well	4,264	2022		Bartlett & West
56	2400380-19-01	Gackle	310	Water meter & pump house improvements & water main replacement	500	2022		Moore
57	3901043-20-02	Wyndmere	454	Distribution system improvements (Phase II & III- from 3rd St to the west)	8,000	2023		Bolton & Menk
58	2300969-14-01	Verona	85	Reservoir & pump house replacement	300	2022		Moore
59	4001153-14-01	All Seasons WUD	754	Parallel & looped pipelines to increase flow in low pressure areas	796	2022		Bartlett & West
60	4001153-21-02	All Seasons WUD	4,200	Increased supply to area around and north of Rolla	371	2022		Bartlett & West
61	0200763-09-01	Oriska	128	Reservoir & pump house replacement	550	2022		Moore
62	2600038-21-02	Ashley	700	Water main replacement & looping	1,000	2022		Moore
63	3900973-19-01	Wahpeton	7,766	Well field relocation, well house, & controls	6,654	2023		Interstate
64	2800949-20-01	Turtle Lake	575	Water main replacement & looping	1,000	2022		Moore
65	3900973-04-01	Wahpeton	7,766	Water main replacement & looping (4th St, Oakwood Court, 8th Ave S, 5th Ave N)	284	2023		

Priority Ranking	Tracking No.	System Name	Present Population	Project Description	Project Cost (\$1,000)	Construction Start Date	Est. Loan Term ⁵	Engineering Firm
66	2500956-16-01	Upham	133	Water main, gate valve, hydrant, & service line replacement	508	2022		Ackerman-Estvold
67	2600038-21-01	Ashley	700	Water tower replacement	2,000	2022		Moore
68	0900488-18-01	Horace	1,750	WTP improvements	7,098	2022		Interstate
69	3900703-11-01	Mooreton	197	Gate valve replacement, control upgrades, & bladder tank storage	400	2022		Interstate
70	0900452-15-01	Hunter	261	Pump house upgrades & water tower replacement	2,300	2022		Moore
71	2001061-21-02	Dakota RWD	3,869	Well & WTP expansion for service to Hannaford	750	2023		AE2S
72	1200748-20-01	Noonan	144	Water main replacement (Washington St)	598	2023		Ackerman-Estvold
73	0100476-20-01	Hettinger	1,200	Water main, gate valve, & hydrant replacement	1,370	2022		Brosz
74	0200958-22-01	Valley City ⁴	6,585	Water main & service line replacement (2nd Ave NE & 3rd St NE)	750	2023		KLJ
75	0200958-22-03	Valley City ⁴	6,585	NW water main replacement	750	2023		KLJ
76	3901043-16-01	Wyndmere	454	Service line, water meter, & SCADA system replacement	1,000	2023		Bolton & Menk
77	0801036-21-01	Wing	152	Chemical feed building & equipment, decommissioning of well house & well, controls & gate valve for water tower	425	2022		Moore
78	3000012-22-01	Almont	115	Water main & service line replacement	1,000	2022		Moore
79	4800152-13-02	Cando ⁴	1,115	Water main, service line, gate valve, & hydrant replacement	2,000	2022		Moore
80	2800619-18-01	Max	334	Water main & service line replacement	574	2022		Ackerman-Estvold
81	3400170-22-01	Cavalier	1,302	Water main replacement (W 2nd Ave, Madison St, & River St)	1,316	2022		AE2S
82	4100357-08-01	Forman	504	Water tower replacement	1,200	2022		Interstate
83	4700637-16-02	Medina	300	Water main replacement	2,600	2022		Moore
84	2500946-21-01	Towner	571	Connection to rural water or WTP improvements	2,060	2022		AE2S
85	0300553-13-01	Leeds	427	Well & transmission line upgrades	500	2022		Moore
86	2800389-13-02	Garrison ⁴	1,462	Water main replacement & looping	2,500	2022		Moore
87	4900803-08-01	Portland	606	Water tower replacement & water main looping	1,400	2022		Moore
88	3500842-20-01	Rugby	7,111	WTP upgrades- Phase 3	618	2022		AE2S
89	3700314-02-01	Enderlin	890	Well field & transmission line	1,700	2024		Moore
90	0200958-22-02	Valley City	6,585	NW standpipe/water tower replacement	3,000	2023		KLJ
91	4700637-16-03	Medina	300	Water tower replacement	1,000	2022		Moore
92	3500842-21-01	Rugby	7,111	Distribution system replacement	2,000	2024		AE2S
93	0700334-13-02	Flaxton	74	Water main, gate valve, hydrant, & service line replacement	455	2022		Ackerman-Estvold
94	3900196-22-01	Colfax	175	Reservoir improvements	800	2023		Interstate
95	5300425-20-04	Grenora	350	Water treatment & softening	3,118	2026		Ackerman-Estvold
96	3800397-13-01	Glenburn ⁴	380	Water main, gate valve, hydrant, & service line replacement	5,500	2022		Moore

Priority Ranking	Tracking No.	System Name	Present Population	Project Description	Project Cost (\$1,000)	Construction Start Date	Est. Loan Term ⁵	Engineering Firm
97	0900134-11-01	Buffalo	225	Water main, service line, gate valve, & hydrant replacement	1,900	2023		Moore
98	3400269-21-01	Drayton	751	Water main & hydrant replacement	5,000	2022		Moore
99	3000473-20-01	Hebron	867	Water main replacement	3,200	2023		AE2S
100	0300553-20-01	Leeds	427	Water main, gate valve, & hydrant replacement (1st St S)	525	2022		Moore
101	3700574-11-02	Lisbon	2,154	Water main replacement	2,500	2022		Moore
102	4101425-19-01	Milnor	638	Control replacement, booster station renovation, generator, water main	490	2022		Interstate
103	3900183-09-01	Christine	150	Water main, gate valve, & hydrant replacement	700	2022		Moore
104	2800389-13-01	Garrison	1,462	WTP improvements	5,000	2022		Moore
105	3100775-22-01	Parshall	903	Water supply line improvements	9,000	2023		AE2S
106	3901043-08-01	Wyndmere	454	Distribution system improvements	1,000	2023		Bolton & Menk
107	2800619-20-01	Max	334	Gate valve replacement	143	2022		Ackerman-Estvold
108	3700574-14-01	Lisbon	2,154	WTP upgrades	1,000	2022		Moore
109	0901060-16-01	Cass RWD	17,500	Transmission lines for correction of water quantity & pressure issues	7,500	2022		AE2S
110	0801031-18-01	Wilton ⁴	750	Water main replacement	8,235	2022		Moore
111	5100072-21-01	Berthold	454	Water main, hydrant, gate valve, & service line replacement	5,000	2023		Moore
112	5301686-21-01	WAWSA	0	2022 improvements & expansion	16,500	2022		AE2S
113	0300762-15-02	Oberon	104	Well & pump house replacement	550	2022		Moore
114	3000342-20-01	Flasher	290	Curb stop & water meter replacement	350	2022		Moore
115	1801062-21-01	East Central RWD	21,098	Transmission line & WTP improvements	2,250	2023		AE2S
116	2601037-20-02	Wishek	1,002	Iron & manganese removal equipment	1,200	2022		Interstate
117	5100849-21-01	Ryder	80	Water tower replacement	1,800	2022		-
118	0900452-15-02	Hunter	261	Water main replacement	3,400	2022		Moore
119	0300762-15-01	Oberon	104	Distribution system replacement	3,200	2022		Moore
120	1400879-15-01	Sheyenne	204	Water main replacement	3,100	2022		Moore
121	0501001-22-01	Westhope	429	Water main & service line replacement	1,133	2022		Ackerman-Estvold
122	4000834-20-01	Rolla ⁴	1,280	Lead service line replacement	543	2022		AE2S
123	0501001-09-01	Westhope	429	Water main & service line replacement	477	2022		Ackerman-Estvold
124	3900333-06-01	Fairmount	367	Water main, gate valve, hydrant, & service line replacement	800	2022		Moore
125	1200748-18-01	Noonan	144	Water main replacement (Main St)	748	2023		Ackerman-Estvold
126	3700314-02-03	Enderlin	890	WTP improvements	4,700	2025		Moore
127	3700314-08-01	Enderlin	890	Water tower replacement	2,000	2024		Moore
128	3700314-02-02	Enderlin ⁴	890	Water main replacement	900	2024		Moore
129	0200958-22-04	Valley City ⁴	6,585	Lead service line replacement	2,000	2023		Moore
130	0200958-20-02	Valley City	6,585	Water main & service line replacement	825	2022		KLJ
131	0200958-21-01	Valley City	6,585	Water main & service line replacement (6th Ave NW)	500	2023		KLJ

Priority Ranking	Tracking No.	System Name	Present Population	Project Description	Project Cost (\$1,000)	Construction Start Date	Est. Loan Term ⁵	Engineering Firm
132	4600487-08-01	Hope	258	Water main extension	210	2022		Moore
133	5001075-19-01	Walsh RWD	3,448	Service to residents on private wells, pipelines to increase capacity, & interconnection with NRWD	500	2022		AE2S
134	1700059-20-01	Beach	981	Water tower rehab	398	2022		AE2S
135	4001153-14-02	All Seasons WUD	754	Service to Turtle Mountains/Lake Metigoshe area	27,920	2022		Bartlett & West
136	4001153-15-01	All Seasons WUD	754	System 4 to system 1 interconnection	6,638	2022		Bartlett & West
137	TBD-22-01	Metro Flood Diversion Authority	19,500	USACE southern embankment & infrastructure	19,000	2023		AE2S
138	TBD-20-01	Metro Flood Diversion Authority	19,500	Existing drinking water infrastructure relocation for flood resiliency	17,500	2022		AE2S
139	1000543-09-01	Langdon	1,878	Water main replacement	2,100	2022		Moore
140	3800695-21-01	Mohall	705	Water main replacement	601	2022		Ackerman-Estvold
141	3000473-22-01	Hebron	867	Water main replacement (Summit Ave)	178	2022		AE2S
142	2500964-19-01	Velva ⁴	1,265	Water main & service line replacement	604	2022		Ackerman-Estvold
143	5100923-22-02	Surrey	1,358	Distribution system upgrades (Wenz Additions)	1,400	2023		AE2S
144	0300553-13-02	Leeds	427	WTP improvements	425	2022		Moore
145	4700498-13-02	Jamestown	16,000	WTP filter controls & filter media replacement	860	2022		Interstate
146	0900945-12-01	Tower City	252	Water main & hydrant replacement	2,100	2022		Moore
147	2800389-15-01	Garrison	1,462	Intake structure replacement	3,500	2022		Moore
148	4900622-16-01	Mayville	1,858	WTP upgrades	790	2022		Moore
149	1500571-21-01	Linton	990	Curb stop replacement	1,500	2022		Moore
150	2300969-19-01	Verona	85	Water meter replacement	100	2022		Moore
151	0900166-22-01	Casselton	2,513	Water main, service line, gate valve, & hydrant replacement (2nd St N) & water main looping	1,350	2023		Moore
152	3000596-21-01	Mandan	82,990	Memorial Highway water main upgrade	5,500	2022		AE2S
153	0900613-20-01	Mapleton	1,240	Water main replacement & looping	500	2023		Moore
154	5301152-16-01	Tioga	2,500	Water main replacement	9,500	2022		Moore
155	5101074-21-01	Upper Souris WD	1,365	Parallel pipelines, pump station improvements, & SCADA to increase flow & pressure	1,049	2022		AE2S
156	4500065-18-01	Belfield	1,000	Water main replacement	2,606	2022		AE2S
157	0900166-20-01	Casselton	2,513	Water main, gate valve, & hydrant replacement	4,500	2024		Moore
158	0900217-11-01	Davenport	293	Pump station & water storage replacement, distribution system redundancy	1,035	2022		Interstate
159	0600869-22-01	Scranton	365	Water main replacement	1,170	2022		Brosz
160	1100758-09-01	Oakes	1,856	Water reservoir, pumping station, & transmission line	720	2022		Moore
161	3700574-11-01	Lisbon	2,154	Water well	200	2022		Moore
162	2300537-14-01	LaMoure	889	Water main replacement & looping	525	2022		Moore
163	4100848-16-01	Rutland	163	Water main replacement & looping	600	2025		Interstate
164	2801400-22-01	McLean Sheridan RWD	2,450	McClusky water tower replacement	4,200	2022		Moore
165	0300553-13-03	Leeds ⁴	427	Lead service line replacement	650	2022		Moore
166	3100744-18-02	New Town	2,524	Water main & service line replacement	406	2022		Ackerman-Estvold
167	5301011-20-01	Wildrose	150	Water main replacement	562	2023		Ackerman-Estvold
168	4100848-22-01	Rutland	163	Water tower replacement	1,100	2024		Interstate

Priority Ranking	Tracking No.	System Name	Present Population	Project Description	Project Cost (\$1,000)	Construction Start Date	Est. Loan Term ⁵	Engineering Firm
169	2400715-22-01	Napoleon	767	Refinance of water main replacement	3,100	-		Moore
170	1600159-20-01	Carrington	2,220	Water main replacement & rehab	1,000	2022		Interstate
171	1800410-20-01	Grand Forks	57,122	Existing WTP decommissioning	5,150	2022		AE2S
172	1800410-21-01	Grand Forks ⁴	57,365	Lead service line replacement	375	2022		-
173	4700498-18-01	Jamestown	16,000	Pitless unit well improvements	200	2022		Interstate
174	4700498-22-01	Jamestown ⁴	16,000	Water main replacement	1,500	2023		Interstate
175	1801056-21-01	Agassiz WUD	4,104	User and transmission expansion - Phase II	1,500	2022		AE2S
176	0800080-22-01	Bismarck ⁴	85,400	Water main & lead service line replacement	3,520	2022		-
177	3000596-22-01	Mandan	82,990	WTP optimization (Phase III)	6,587	2024		AE2S
178	2100726-22-03	New England	600	Refinance of Water Improvement District No. 2017-1, Phase 3	963	-		Moore
179	0700198-16-01	Columbus	133	Water main replacement	1,700	2022		Ackerman-Estfold
180	5100868-14-01	Sawyer	367	Water main, gate valve, & hydrant replacement	1,000	2022		Moore
181	2800953-22-01	Underwood	850	Water tower & meter replacement	2,000	2022		-
182	4500065-15-01	Belfield	1,013	Transmission line & pressure reducing valves	1,615	2023		Brosz
183	5101189-22-01	North Prairie RWD	13,000	Distribution system improvements (E of Hwy 41 & N of Velva)	500	2023		Interstate
184	0200858-13-01	Sanborn	194	Water main, service line, gate valve, & hydrant replacement	650	2023		Moore
185	1001380-21-02	Northeast RWD	5,773	Service to Milton	250	2023		AE2S
186	0201058-20-01	Barnes RWD	5,037	Additional storage at four booster stations	3,181	2022		Interstate
187	1801062-15-01	East Central RWD	21,098	Transmission lines	1,372	2022		AE2S
188	5000408-16-01	Grafton	4,913	Raw water transmission line	6,798	2029		AE2S
189	3100775-21-01	Parshall	903	Water main looping	670	2022		AE2S
190	5000408-02-01	Grafton	4,913	WTP improvements	5,150	2040		AE2S
191	5000408-16-02	Grafton	4,913	Red River water intake improvements	4,200	2028		AE2S
192	5000408-03-01	Grafton	4,913	Park River water intake improvements	2,060	2036		AE2S
193	3901068-20-01	Southeast WUD	8,862	WTP improvements or regionalization	12,645	2022		AE2S
194	4700498-09-01	Jamestown	16,000	Remote reading water meters & software	2,835	2022		Interstate
195	4700498-14-02	Jamestown	16,000	Transmission line to improve flow to NE pressure zone	4,968	2022		Interstate
196	4000833-19-01	Rolette	594	Water meters and meter reading software	200	2022		Moore
197	4700498-13-01	Jamestown	16,000	WTP, storage, & distribution system SCADA improvements	455	2022		Interstate
198	4700498-19-01	Jamestown	16,000	Backwash recycle system	400	2022		Interstate
199	4700498-19-02	Jamestown	16,000	Water tower improvements	350	2022		Interstate
200	3100898-19-01	Stanley ⁴	2,400	Water main, service line, gate valve, & hydrant replacement	8,700	2021		Brosz
201	4500242-21-01	Dickinson ⁴	22,000	Water main, lead service line, & hydrant replacement (Sims St)	2,500	2022		Apex
202	4500242-22-01	Dickinson ⁴	22,000	Water main, lead service line, & hydrant replacement (4th Ave W & 5th Ave W)	1,500	2022		Apex

Priority Ranking	Tracking No.	System Name	Present Population	Project Description	Project Cost (\$1,000)	Construction Start Date	Est. Loan Term ⁵	Engineering Firm
203	5100138-22-01	Burlington ⁴	1,310	Water main replacement	435	2022		Ackerman-Estvold
204	2100726-20-01	New England	600	Water main replacement & looping	840	2022		Moore
205	0900488-20-01	Horace	1,750	Connection to Cass RWD	1,500	2022		Interstate
206	0900336-21-01	Fargo	166,000	Sheyenne River Fargo emergency water supply pipeline	5,150	2023		AE2S
207	0900336-18-02	Fargo ⁴	166,000	Lead service line replacement	1,200	2023		AE2S
208	2500415-12-01	Granville	330	Water main & gate valve replacement	476	2022		Ackerman-Estvold
209	0700114-21-01	Bowbells	301	Water tower replacement	1,854	2022		AE2S
210	1500515-15-01	Kenmare	1,013	Water main, gate valve, & hydrant replacement	575	2022		Ackerman-Estvold
211	3001431-22-01	Missouri West WS	6,230	Distribution system improvements	1,500	2022		Bartlett & West
212	2800825-20-02	Riverdale	226	Raw water supply line replacement	4,500	2022		Moore
213	5300425-20-03	Grenora	350	Storage tank replacement	3,435	2024		Ackerman-Estvold
214	5101189-19-01	North Prairie RWD	13,000	Generators at reservoirs & booster stations	650	2023		Interstate
215	2801430-19-01	Garrison RWD	1,480	Water mains, gate valves, & hydrants	1,000	2022		Ackerman-Estvold
216	5101447-16-01	West River WD	650	Service line replacement	471	2022		Ackerman-Estvold
217	2601037-18-01	Wishek	1,002	Water meters and meter reading software	410	2022		Interstate
218	2601037-20-01	Wishek	1,002	Hydrant replacement	350	2022		Interstate
219	2801400-22-02	McLean Sheridan RWD	3,536	Service to residents on private wells in Strawberry Lake area	600	2024		AE2S
220	2001061-21-01	Dakota RWD	3,869	Service to users on private wells	750	2022		AE2S
221	5201012-22-01	Williston ⁴	30,000	Water main & service line replacement (1st Ave W)	257	2023		AE2S
222	5201012-22-02	Williston ⁴	30,000	Water main & service line replacement (5th Ave W, phase 1)	604	2024		AE2S
223	5201012-22-03	Williston ⁴	30,000	Water main & service line replacement (5th Ave W, phase 2)	627	2025		AE2S
224	5201012-22-04	Williston ⁴	30,000	Water main & service line replacement (7th Ave W, phase 1)	531	2026		AE2S
225	5201012-22-05	Williston ⁴	30,000	Water main and service line replacement	562	2027		AE2S
226	3800877-22-01	Sherwood	256	Water main replacement (12 block area)	1,099	2022		Ackerman-Estvold
227	4500065-18-02	Belfield	1,000	Water storage rehab or replacement	3,193	2022		AE2S
228	5300425-20-06	Grenora	350	Well #2 rehabilitation	1,951	2026		Ackerman-Estvold
229	5300425-20-01	Grenora	350	Water main replacement (Main St)	1,913	2023		Ackerman-Estvold
230	5300425-20-05	Grenora	350	Well #1 rehabilitation	1,664	2026		Ackerman-Estvold
231	3800877-15-01	Sherwood	256	Water main replacement	427	2022		Ackerman-Estvold
232	1100758-11-01	Oakes	1,856	WTP Improvements	2,000	2022		Moore
233	1100758-11-02	Oakes	1,856	Well & well house replacement	400	2022		Moore
234	4500891-19-01	South Heart	307	Water main replacement	3,165	2022		Brosz
235	0900336-11-01	Fargo	166,000	High service pump station modifications	9,343	2024		AE2S
236	0900336-11-02	Fargo	166,000	WTP residuals facility	38,246	2024		AE2S
237	2800825-20-01	Riverdale	226	Gate valve replacement	1,000	2022		Moore
238	3900433-20-01	Hankinson	921	Water main extension	134	2022		Bolton & Menk
239	3900433-22-01	Hankinson	921	Redundant water transmission line	1,300	2022		Bolton & Menk

Priority Ranking	Tracking No.	System Name	Present Population	Project Description	Project Cost (\$1,000)	Construction Start Date	Est. Loan Term ⁵	Engineering Firm
240	3901068-14-01	Southeast WUD	8,862	Automated meter reading system	2,000	2022		AE2S
241	1000543-21-01	Langdon	1,878	Water main looping	770	2022		Moore
242	3800695-14-01	Mohall	705	Water main looping	490	2023		Ackerman-Estvold
243	31000798-16-02	Plaza	171	Hydrant rehab or replacement	530	2021		AE2S
244	0900945-19-01	Tower City	252	Refinance of gate valve & service line replacement	600	-		Moore
245	1600159-22-01	Carrington	2,220	Water main to Dakota Growers Pasta Co.	500	2022		Interstate
246	1000543-09-02	Langdon	1,878	Water tower rehabilitation	475	2022		Moore
247	3200653-13-01	Michigan	345	Water tower improvements	75	2023		Moore
248	2800989-18-01	Washburn	1,313	Intake, wet well, & pump house	4,835	2022		AE2S
249	0800080-22-02	Bismarck	85,400	WTP expansion	60,000	2023		-
250	0600119-14-01	Bowman	1,620	Water main replacement (4th Ave W)	1,210	2022		Brosz
251	2100726-22-01	New England	600	Refinance of Water System Improvement District No. 2015-1, Phase 1	2,533	-		Moore
252	2100726-22-02	New England	600	Refinance of Water Replacement District No. 2016-1, Phase 2	2,499	-		Moore
253	2300535-09-01	Kulm	402	Water tower repair	100	2022		-
254	5100923-22-01	Surrey	1,358	Hydrant & gate valve replacement	150	2023		AE2S
255	0900945-09-01	Tower City	252	Water tower improvements	500	2022		Moore
256	3000596-22-02	Mandan ⁴	82,990	Lead service line replacement	200	2022		AE2S
257	0900166-19-01	Casselton ⁴	2,513	Lead service line replacement	910	2022		Moore
258	5300425-20-02	Grenora	350	Water main replacement (Jetson St)	622	2022		Ackerman-Estvold
259	0700114-20-01	Bowbells	301	Water tower site piping upgrades	100	2022		AE2S
260	2900470-22-01	Hazen ⁴	2,411	Lead service line replacement	1,000	2023		Moore
261	3000596-19-01	Mandan	82,990	Reservoir replacement	3,566	2025		AE2S
262	5200927-13-01	Sykeston	117	Water main, corporation, curb stop, & hydrant replacement	250	2022		Moore
263	5100660-22-01	Minot ⁴	80,000	Lead service line replacement	5,012	2023		-
264	0600119-19-01	Bowman	1,620	Storage tank improvements	1,015	2022		Brosz
265	0900488-15-01	Horace	1,750	Water tower improvements	400	2022		Interstate
266	5301686-20-01	WAWSA	0	Acquisition of Williston WTP	7,155	-		AE2S
267	0700114-20-02	Bowbells	301	Transmission line improvements	236	2022		AE2S
268	0900460-16-01	Harwood	718	Water main looping	1,000	2023		Moore
269	0900488-16-01	Horace	1,750	Water main, gate valve, & hydrant replacement	5,291	2022		Interstate
270	0700114-21-02	Bowbells	301	Water main looping (Railway St SE)	175	2022		AE2S
271	5100138-12-01	Burlington	1,310	Water storage tank	1,650	2023		Ackerman-Estvold
272	3000596-13-03	Mandan	82,990	Distribution system improvements (Boundary Road PRV)	661	2023		AE2S
273	3000596-21-02	Mandan	82,990	South end pump station expansion	419	2024		AE2S
274	3900196-06-01	Colfax	175	Water main for redundancy	656	2022		Interstate
275	0700800-19-01	Portal	150	Water main looping	150	2022		Ackerman-Estvold
276	0700800-19-02	Portal	150	Hydrant & gate valve replacement	100	2022		Ackerman-Estvold

Priority Ranking	Tracking No.	System Name	Present Population	Project Description	Project Cost (\$1,000)	Construction Start Date	Est. Loan Term ⁵	Engineering Firm
277	5100072-18-02	Berthold	454	Water tower rehab	300	2022		Moore
278	5201012-19-05	Williston	30,000	Water main improvements (Borsheim Addition)	2,266	2023		AE2S
279	5201012-19-04	Williston	30,000	Water main improvements (47th St, 6th Ave, 44th St)	711	2023		AE2S
280	5201012-19-06	Williston	30,000	Water main improvements (Front St & Reiger Dr)	1,492	2023		AE2S
281	5201012-22-06	Williston	30,000	Water main along 9th Ave	257	2022		AE2S
282	5201012-22-07	Williston	30,000	Water meter replacement	2,500	2022		AE2S

Total Project Cost: 746,432

¹ Twenty percent of the capitalization grant amount will be provided as loan forgiveness to disadvantaged communities. Because the actual capitalization grant amount has not yet been determined, a funding level of \$2,202,200 has been assumed for additional subsidization (as loan forgiveness). Adjustments will be made, as necessary, based on the actual capitalization grant amount.

² These projects appear eligible for 75% loan forgiveness. The actual loan forgiveness amount is dependent upon available funds. Loan forgiveness eligibility will be confirmed when the loan application is submitted.

³ These projects appear eligible for 40% loan forgiveness. The actual loan forgiveness amount is dependent upon available funds. Loan forgiveness eligibility will be confirmed when the loan application is submitted.

⁴ These projects appear eligible for lead service line replacement loan forgiveness. The actual loan forgiveness amount is dependent upon available funds. Loan forgiveness eligibility will be confirmed when the loan application is submitted.

⁵ Estimated length of the loan term only. The loan term will be set at the time of loan approval.

Appendix C

STATE OF NORTH DAKOTA

PRIORITY RANKING SYSTEM FOR FINANCIAL ASSISTANCE THROUGH THE DRINKING WATER
STATE REVOLVING LOAN FUND (DWSRF) PROGRAM

DWSRF PROGRAM
DIVISION OF MUNICIPAL FACILITIES
NORTH DAKOTA DEPARTMENT OF ENVIRONMENTAL QUALITY

October 2019

The following criteria and point system is utilized by the DWSRF Program to rank eligible projects for potential financial assistance through the DWSRF Program:

- Water Quality (35 points maximum)
- Water Quantity (20 points maximum)
- Affordability (15 points maximum)
- Infrastructure Adequacy (15 points maximum)
- Consolidation or Regionalization of Water Supplies (10 points maximum)
- Operator Safety (5 points maximum)

Maximum Total Points = 100

DWSRF funds may be used to buy or refinance existing local debt obligations (publicly owned systems only) where the initial debt was incurred and the construction started after July 1, 1993. DWSRF assistance requests of this type, if eligible, will be ranked based on the original purpose and success of the constructed improvements.

Creation of New Systems - eligible projects are those that, upon completion, will create a community water system (CWS) to address existing and serious public health problems caused by unsafe drinking water from individual wells or surface water sources. Eligible projects are also those that create a new regional CWS by consolidating existing systems with technical, financial, or managerial difficulties. Projects to address existing public health problems associated with individual wells or surface water sources must be limited in scope to the specific geographic area affected by contamination. Projects that create new regional CWSs by consolidating existing systems must be limited in scope to the service area of the systems being consolidated. A project must be a cost-effective solution to addressing the problem. Applicants must ensure that sufficient public notice has been given to potentially affected parties and consider alternative solutions to addressing the problem. Capacity to serve future population growth cannot be a substantial portion of the project.

Water Quality (select all that apply, 35 points maximum) ^{1,2}	
A. Documented waterborne disease outbreaks within last 2 years.	20
B. Unresolved nitrate or nitrite maximum contaminant level (MCL) exceedance(s), OR acute microbiological MCL exceedance(s) within last 12 months.	15
C. Exceedance(s) of EPA-established unreasonable risk to health (URTH) level(s) within last 4 years for regulated chemicals or radionuclides (excludes nitrate and nitrite).	10
D. Disinfection treatment inadequate to satisfy one of the following: <ul style="list-style-type: none"> • The Surface Water Treatment Rule (SWTR) • The Enhanced SWTR (ESWTR) • The Groundwater Rule (GWR) once finalized • Groundwater source(s) deemed by the PWSS to be under the direct influence of surface water • Multiple turbidity treatment technique requirement (TTR) violations within last 2 years (includes at least one event where the maximum allowed turbidity was exceeded) 	8
E. Multiple turbidity TTR violations within last 2 years (no events where the maximum allowed turbidity was exceeded), OR 3 or more non-acute microbiological MCL violations within last 12 months.	7
F. MCL or TTR exceedance(s) (no URTH level exceedances) within last 4 years (excludes microbiological contaminants, nitrate, nitrite, and turbidity).	6
G. Potential MCL or TTR compliance problems based on most recent 4-year period (excludes microbiological contaminants and turbidity).	
75% to 100% of MCL or TTR	5
50% to 74% of MCL or TTR	4
H. General water quality problems (see table on page 5).	
Significant general water quality problem	4
Moderate general water quality problem	3
Minor general water quality problem	2

Water Quantity (select all that apply, 20 points maximum) ^{2,3}	
A. Correction of a critical water supply problem involving the loss or imminent loss of a water supply in the near future.	20
B. Correction of an extreme water supply problem. Maximum water available < 150 gallons per capita per day (gpcd) (community water systems only), OR continuous water shortages during all periods of operation (non-profit non-community water systems only).	10

C. Correction of a serious water supply problem. Maximum water available <200 gpcd (community water systems only), OR daily water shortages, or inability to meet peak daily water demand at a frequency of at least once per week during all periods of operation (non-profit non-community water systems only).	7
D. Correction of a moderate water supply problem. Maximum water available <250 gpcd (community water systems only), OR occasional daily water shortages, or occasional inability to meet peak daily water demands on a seasonal basis (non-profit non-community water systems only).	4
E. Correction of a minor water supply problem. Maximum water available <300 gpcd (community water systems only), OR sporadic water shortages or occasional inability to meet peak water demands (non-profit non-community water systems only).	2

Affordability (for the applicable subcategory, select one for each item, 15 points maximum)	
A. Community Water Systems	
Relative income index- ratio of local or service area annual median household income (AMHI) to the state nonmetropolitan AMHI (based on the most recent ACS 5-Year Estimates)	
≤60%	8
61% to 70%	7
71% to 80%	5
81% to 90%	3
91% to 100%	1
Relative future water cost index- ratio of expected average annual residential water user charge resulting from the project, including costs recovered through special assessments, to the local AMHI (based on the most recent ACS 5-Year Estimates)	
>2.5%	7
2.0% to 2.5%	6
1.5% to 1.9%	5
1.0% to 1.4%	3
0.5% to 0.9%	1

B. Non-profit Non-community Water Systems	
Relative income index- ratio of local or service area AMHI to the state non-metropolitan AMHI (based on the most recent ACS 5-Year Estimates)	
≤60%	8
61% to 70%	7
71% to 80%	5
81% to 90%	3
91% to 100%	1
Relative future water cost index- ratio of expected annual water service expenditures resulting from the project to total annual operating expenses	
>20%	7
15% to 20%	6
10% to 14%	5
5% to 9%	3
2% to 4%	1

Infrastructure Adequacy (select all that apply, 15 points maximum)	
A. Correction of general disinfection treatment deficiencies - excludes improvements necessary to directly comply with the SWTR, the ESWTR, or the GWR.	3
B. Correction of well construction or operating deficiencies.	3
C. Correction of distribution system pressure problems (dynamic pressure <20 psi).	3
D. Replacement of deteriorated water mains.	3
E. Replacement of deteriorated finished water storage structures.	3
F. Replacement of distribution system piping/materials shown via DWP-approved testing to contribute unacceptable levels of lead or asbestos.	3
G. Water treatment plant operating at or above design capacity.	3
H. Water treatment plant operating at or beyond useful or design life.	3
I. Correction of specific design or operating deficiencies associated with water treatment plant unit processes (excludes disinfection treatment).	2
J. Correction of specific design or operating deficiencies associated with surface water intake facilities.	2
K. Correction of specific design or operating deficiencies associated with finished water storage facilities.	2
L. Correction of specific design or operating deficiencies associated with raw or finished water pumping facilities.	2
M. Correction of specific design or operating deficiencies associated with raw or finished water distribution system piping.	2

N. Correction of specific design or operating deficiencies associated with chemical feed installations (excludes disinfection).	2
O. Provision of a second well where only one functional well exists for systems relying solely on their own groundwater supplies.	2
P. Replacement of inoperative, obsolete, or inadequate instrumentation or controls.	2

Consolidation or Regionalization of Water Supplies (select all that apply, 10 points maximum)	
A. Correction of Safe Drinking Water Act (SDWA) compliance problem(s) or extreme to critical water supply problem(s) for one or more PWSs through consolidation with another PWS or regionalized service provided by another PWS.	4
B. Correction of contamination problems (regulated contaminants) or extreme water quantity problems (no water, imminent loss of water supply, or continuous/frequent daily water shortages) for individual residences or businesses through consolidation with another PWS or regionalized service provided by a PWS.	3
C. Correction of potential MCL or TTR compliance problems, general water quality problems, or moderate to serious water quantity problems for one or more PWSs through consolidation with another PWS or regionalized service provided by another PWS.	2
D. Correction of general water quality problems or moderate water quantity problems (occasionally daily or seasonal water shortages) for individual residences or businesses through consolidation with another PWS or regionalized service provided by a PWS.	1

Operator Safety (select one if applicable, 5 points maximum)	
Correction of a problem that poses a critical and chronic safety hazard for operators.	5
Correction of a problem that poses an intermittent safety hazard for operators.	3
Correction of a potential significant safety hazard for operators.	1

General Water Quality (select all that apply)			
Total Dissolved Solids (TDS)		Manganese (Mn)	
500 - 999 mg/L	1	0.05 - 0.25 mg/L	1
1,000 - 1,499 mg/L	2	0.26 - 1.00 mg/L	2
≥ 1,500 mg/L	3	> 1.00 mg/L	3
Total Hardness as Calcium Carbonate (TH)		Sodium (Na)	
200 - 424 mg/L	1	200 - 424 mg/L	1
425 - 649 mg/L	2	425 - 649 mg/L	2
≥ 650 mg/L	3	≥ 650 mg/L	3

Iron (Fe)		Sulfate (SO ₄)	
0.3 - 0.89 mg/L	1	250 - 499 mg/L	1
0.9 - 2.0 mg/L	2	500 - 750 mg/L	2
> 2.0 mg/L	3	> 750 mg/L	3
Total From Above	Category for Water Quality Item H		
≥ 6	Significant general water quality problem		
4 or 5	Moderate general water quality problem		
≤ 3	Minor general water quality problem		

¹ Applies to community and non-profit non-community public water systems only. Water quality problems must be ongoing and unresolved under the present system configuration. Analysis applies to finished water after all treatment (raw water if no treatment is provided).

² Projects intended to address multiple community and/or non-profit non-community public water system water quality and/or quantity problems will be ranked based on the highest-level problem to be solved.

³ Applies to community and non-profit non-community public water systems only. Projects intended mainly to increase water availability for or to improve fire protection are not eligible for DWSRF assistance. To be eligible, fire protection features must represent an ancillary project benefit or secondary project purpose.

Appendix D

Non-Project Set-Aside and Fee Activity¹

North Dakota Drinking Water State Revolving Loan Fund Program

Set-Aside	Set Aside Through 6/30/2021	Transferred to Loan Fund	Expended Through 6/30/2021	Balance Available as of 6/30/2021	Planned Set-Asides for 2022 ⁴	Total Set-Aside Funds Available 2022	Reserved Through 2021	Reserved from 2022 Allotment	Total Reserved Through 2022
DWSRF Administration	9,603,814	-	9,603,814	0	0	0	-	539,674	539,674
10% State Program Assistance									
PWSS Supervision	6,270,000	704,685	3,659,955	1,905,360	0	1,905,360	2,756,150	1,100,100	3,856,250
Source Water Protection									
Capacity Development									
Operator Certification									
2% Small System Technical Assistance	3,735,612	-	3,394,307	341,305	0	341,305	155,860	220,020	375,880
15% Local Assistance ²									
Land Acquisition									
Capacity Development									
Wellhead Protection									
Source Water Petition Programs									
Source Water Protection	1,255,880	820,612	435,268	-	NA	-	-	NA	-
Totals	20,865,306	1,525,297	17,093,344	2,246,665	0	2,246,665	2,912,010	1,859,794	4,771,804

Fee Type	Collected Through 6/30/2021	Transferred to Loan Fund	Expended Through 6/30/2021	Balance Available 6/30/2021	Projected Funds 1/1/22 - 12/31/22	Estimated Funds Collected Through 12/31/22	Total Funds Held Through 12/31/22
Loan Fee ³	14,915,280	0	4,389,928	10,525,352	1,905,586	16,820,866	12,430,938

¹ The FY 1997 through 2022 allotments have been awarded. The allotment for FY 2022 is anticipated to be \$11,001,000. The FY 2022 allotment will be applied for by July 1, 2022.

² No more than 10% may be used for any one activity with a maximum of 15% for all activities combined.

³ The loan fee amounts reflect loans approved up to June 30, 2021. The amounts may increase based upon repayments due (if any) under loans approved after this date.

⁴ DWSRF Administration is calculated as 0.2% of the valuation of the fund.

Appendix E

Amounts Available to Transfer Between State Revolving Fund Programs¹

North Dakota Drinking Water State Revolving Loan Fund Program

Year	Transaction Description	Banked Transfer Ceiling	Transferred from DWSRF to CWSRF	Transferred from CWSRF to DWSRF	DWSRF Funds Available for Transfer	CWSRF Funds Available for Transfer
1998	DW Grant	4.1			4.1	4.1
1998	DW Grant	6.5			6.5	6.5
2000	DW Grant	9.0			9.0	9.0
2000	DW Grant	11.5			11.5	11.5
2001	DW Grant	14.1			14.1	14.1
2002	DW Grant	16.7			16.7	16.7
2002	Transfer	16.7	10.0	3.0	9.7	23.8
2003	DW Grant	19.4			12.4	26.4
2003	Transfer	19.4	0	5.9	18.3	20.5
2004	DW Grant	22.1			21.0	23.2
2004	Transfer	22.1	0	2.6	23.7	20.6
2005	DW Grant	24.9			26.4	23.3
2005	Transfer	24.9	0	0.1	26.5	23.2
2006	DW Grant	27.6			29.2	25.9
2006	Transfer	27.6	0	1.5	30.8	24.4
2007	DW Grant	30.3			33.5	27.1
2007	Transfer	30.3	0	4.9	38.3	22.2
2008	DW Grant	33.0			41.0	24.9
2008	Transfer	33.0	0	3.0	44.1	21.9
2009	DW Grant	35.7			46.8	24.6
ARRA	DW Grant	42.1			53.2	31.0
ARRA	Transfer	42.1	0	2.6	55.8	28.4
2009	Transfer	42.1	0	0.7	56.5	27.7
2010	DW Grant	46.6			61.0	32.2
2010	Transfer	46.6	0	0.8	61.8	31.4
2011	DW Grant	49.7			64.9	34.5
2012	DW Grant	52.7			67.8	37.5
2013	DW Grant	55.4			70.6	40.3
2014	DW Grant	58.3			73.5	43.2
2015	DW Grant	61.2			76.4	46.1
2015	Transfer	61.2	19.1	0	57.4	65.1
2016	DW Grant	64.0			60.1	67.9
2017	DW Grant	66.7			62.8	70.6
2017	Transfer	66.7	0	4.1	66.9	66.5
2018	DW Grant	70.4			70.6	70.2
2018	Transfer	70.4	0	22.2	92.8	47.9
2019	DW Grant	74.0			96.5	51.6
2020	DW Grant	77.6			100.1	55.2
2020	Transfer	77.6	0	1.5	101.6	53.7
2021	DW Grant	81.3			105.3	57.3
2021	Transfer	81.3	0	1.5	106.8	55.7
2022	DW Grant	84.9			110.4	59.4
2022	Transfer	84.9		10.0	120.4	49.4

Bold number indicates planned transfer

¹ All amounts are in millions of dollars

Appendix F

Sources and Uses Table

North Dakota Drinking Water State Revolving Loan Fund Program Cumulative Amounts as of June 30, 2021

SOURCES	
Federal Capitalization Grants	237,879,100
State Match	51,432,137
Transfers from CWSRF	54,590,972
Net Leveraged Bonds	193,941,728
Investment Earnings	52,004,184
Interest Payments	65,858,408
Principal Repayments	192,448,654
TOTAL SOURCES OF FUNDS	<u>848,155,183</u>
USES	
Administration	9,603,814
2% SSTA	3,735,612
10% DW Program Set-Aside	5,565,315
15% Local Asst. Set-Aside	435,268
Transfers to CWSRF	29,061,000
Bond Principal Repayments	74,538,703
Bond Interest Expense	70,408,214
Arbitrage	785,241
Reserves	2,650,545
Closed Agreements	706,121,802
Loans Approved But Not Closed	3,268,000
TOTAL USES OF FUNDS	<u>906,173,514</u>
 DWSRF Funds Available for Projects in 2022	 <u><u>-\$58,018,331</u></u>
ANNUAL SOURCES FOR 2022	
FY22 Capitalization Grant	11,001,000
Set-asides taken from FY22 Capitalization Grant	-
State Match (if applicable)	28,000,000
Leveraged Bonds (if applicable)	20,000,000
Transfers with CW +/- (if applicable)	10,000,000
 Total New 2022 Funds	 <u>\$69,001,000</u>
 TOTAL DWSRF FUNDS AVAILABLE FOR 2022	 <u><u>\$10,982,669</u></u>
 TOTAL DWSRF PROJECTS ON FUNDABLE LIST	 <u><u>\$10,982,669</u></u>
 AVAILABLE FUNDS	 <u><u>\$0</u></u>

Appendix G

Abbreviations

ACS	American Community Survey
AMHI	Annual median household income
CWS	Community water system
CWSRF	Clean Water State Revolving Fund
DWSRF	Drinking Water State Revolving Fund
EPA	Environmental Protection Agency
ESWTR	Enhanced Surface Water Treatment Rule
FY	Fiscal year
GPCD	Gallons per capita per day
GPR	Green project reserve
GWR	Ground Water Rule
IUP	Intended Use Plan
MCL	Maximum contaminant level
NDAC	North Dakota Administrative Code
NDCC	North Dakota Century Code
NDDEQ	North Dakota Department of Environmental Quality
NPDWR	National Primary Drinking Water Regulations
PFA	Public Finance Authority
PRV	Pressure-reducing valve
PWS	Public Water System
PWSS	Public Water System Supervision
RFWCI	Relative future water cost index
RO	Reverse osmosis
RWD	Rural Water District

SCADA	Supervisory control and data acquisition
SDWA	Safe Drinking Water Act
STAG	State and Tribal Assistance Grants
SWTR	Surface Water Treatment Rule
TTR	Treatment technique requirement
URTH	Unreasonable risk to health
WAWSA	Western Area Water Supply Authority
WD	Water district
WRD	Water Resource District
WS	Water system
WTP	Water treatment plant
WUD	Water Users District