

GARRISON DIVERSION CONSERVANCY DISTRICT
ENGINEERING AND OPERATIONS COMMITTEE

Roosevelt Grand Dakota Hotel - Freedom Hall
Dickinson, North Dakota
July 19, 2023

A G E N D A

- 8:30 a.m. I. Pledge of Allegiance
- 8:31 a.m. II. Roll Call
- 8:32 a.m. III. Consideration of Minutes – Ken Vein
 - A. **>January 12, 2023**
- 8:33 a.m. IV. >McClusky Canal Reference Map – Ryan Anderson
- 8:35 a.m. V. 2023 Work Plan Update – Darren Murray & Dustin Offerdahl
- 9:00 a.m. VI. McClusky Canal Slide Report – Ryan Anderson
- 9:05 a.m. VII. **>Five-Year Work Plan & Budget** – Ryan Anderson
- 9:20 a.m. VIII. >2023 Equipment Inventory – Kip Kovar
- 9:25 a.m. IX. Other Business
- 9:30 a.m. X. Adjourn

The following minutes are in draft form subject to review and approval by the Engineering & Operations Committee at its next meeting.

23-01

**GARRISON DIVERSION CONSERVANCY DISTRICT
ENGINEERING & OPERATIONS COMMITTEE**

**Garrison Diversion Conservancy District
Carrington, North Dakota
January 12, 2023**

A meeting of the Engineering & Operations Committee of the Garrison Diversion Conservancy District was held at the Garrison Diversion headquarters in Carrington, North Dakota, on January 12, 2023. The meeting was called to order by Chairman Vein at 9:30 a.m.

MEMBERS PRESENT

Board Chairman Alan Walter
Committee Chairman Ken Vein
Director Cliff Hanretty
Director Mike Tweed
Secretary Kip Kovar

MEMBERS ABSENT

Director Jim Pellman

OTHERS PRESENT

Staff members of the Garrison Diversion Conservancy District were present along with others. The registration sheet is attached to these minutes as Annex I.

The meeting was recorded to assist with compilation of the minutes.

READING OF THE MINUTES

Motion by Director Hanretty to dispense with a reading of the July 12, 2022, Engineering & Operations Committee minutes and approve them as distributed. Second by Director Tweed. Upon voice vote, motion carried.

2022 OPERATIONS & MAINTENANCE WORK PLAN REVIEW

McClusky/New Rockford Report - - Darren Murray, Superintendent, Operations & Maintenance (O&M), Garrison Diversion, provided a review of the 2022 work activities performed by the O&M crew at the McClusky and New Rockford sites, which included a slide show presentation.

Snake Creek Pumping Plant Report - - Dustin Offerdahl, Plant Supervisor, Snake Creek Pumping Plant (SCPP), updated the committee on the projects and activities at the SCPP via PowerPoint, including tunnel repair, inspection and pumping operations. He also provided an update on the NAWS Project Phase I Intake & SCPP Modifications.

Slide Repair Update

Ryan Anderson, Engineer, Garrison Diversion, provided a PowerPoint update and shared photos of the slide repair and tunneling work along the McClusky Canal.

All of the trenchless tunnels have been installed; however, Garrison Diversion's O&M crew needs to complete the open cut installation portion on three of the drains.

Approximately 230,00 cubic yards of spoil were hauled in 2022 on the slide repair project.

Mr. Anderson added work on the slide repair project should be substantially complete in 2023.

OM&R ANNUAL WORK PLAN & BUDGET

Mr. Anderson presented and reviewed the 2023 Operation, Maintenance and Replacement (OM&R) Work Plan dated December 27, 2022, which is submitted annually to the Bureau of Reclamation (Reclamation). The work plan lays out the work items for the year and the guidelines to be followed. It is split out into transferred and non-transferred projects. The primary portion pertains to the transferred projects, which includes the SCPP and the McClusky Canal Mile Marker 0 to 59. The non-transferred projects include the Lonetree Wildlife Management Area, Arrowwood National Wildlife Refuge, Jamestown Dam, New Rockford Canal, McClusky Canal Mile Marker 59 to 74 and McClusky Canal recreation. A copy of the work plan is attached to these minutes as Annex II.

Mr. Anderson stated the 2023 OM&R budget is \$4,010,122.

Motion by Director Walter to approve the 2023 Operation, Maintenance and Replacement Work Plan & Budget. Second by Director Tweed. Upon roll call vote the following directors voted aye: Hanretty, Tweed, Vein and Walter. Those voting nay: none. Absent and not voting: Pellman. Motion carried.

2023 DEVILS LAKE OUTLET WORK PLAN

Mr. Anderson presented the 2023 Devils Lake Outlet Work Plan. This lays out the work the Garrison Diversion O&M division assists with at the Devils Lake Outlets, including spraying, vegetation control and monitoring of pumping operations. A copy of the work plan is attached to these minutes as Annex III.

All work is coordinated and requested by the Devils Lake Outlet manager.

Motion by Director Walter to approve the 2023 Devils Lake Outlet Work Plan. Second by Director Hanretty. Upon roll call vote, the following directors voted aye: Hanretty, Tweed, Vein and Walter. Those voting nay: none. Absent and not voting: Pellman. Motion carried.

2023 E&O WORK PLAN & BUDGET

Kip Kovar, District Engineer, Garrison Diversion, reviewed the committee's list of 2023 Engineering & Operations work items and budget. New items for 2023 are highlighted. A copy of the work plan and budget are attached to these minutes as Annex IV.

Motion by Director Walter to approve 2023 Engineering & Operations Work Plan and Budget. Second by Director Hanretty. Upon roll call vote, the following directors voted aye: Hanretty, Tweed, Vein and Walter. Those voting nay: none. Absent and not voting: Pellman. Motion carried.

2023 EQUIPMENT LIST

Mr. Kovar referred to the 2023 O&M Master Equipment List, which is provided for the committee's information.

SNAKE CREEK EMBANKMENT DAM SAFETY MODIFICATION STUDY

Mr. Kovar commented due to lack of time, the topic of the Snake Creek Embankment Dam Safety Modification Study will be covered at the Garrison Diversion board meeting this afternoon.

EDDY COUNTY WATER RESOURCE DISTRICT REQUEST

Duane DeKrey, General Manager, Garrison Diversion, provided a brief background on the problem taking place at the New Rockford Canal along Highway 281 with holding water back to the north. Garrison Diversion staff met with the Eddy County Water Resource District (ECWRD) Board quite a while ago to try and resolve the water problem. At that time, an agreement was made in that the water board would purchase a culvert and Garrison Diversion would install it.

Mr. DeKrey said the culvert project was put on hold by the ECWRD and recently came back to the forefront. The culvert was purchased, and Garrison Diversion was prepared to install it; however, landowners south of the canal were upset with the proposed culvert installation so the water board delayed the culvert installation again.

An engineering study must now be done to determine how to get the water from north of the canal into the James River without any major impacts to the landowners to the south. The cost of the study is approximately \$19,000, and the water board would like Garrison Diversion to help fund the study.

Mr. DeKrey stated the area manager at Reclamation's Bismarck office indicated Reclamation may be able to provide a portion of the funding for the study. The issue was discussed at the Executive Committee meeting in December, and the committee recommended Garrison Diversion fund one-third of the cost for the engineering study contingent upon funding received from Reclamation.

Mr. DeKrey reported Reclamation has since agreed to contribute one-third of the study cost. It is now up to the ECWRD to have the study completed.

Mr. Anderson provided a PowerPoint presentation describing the issues with water flowage along the New Rockford Canal.

Motion by Director Walter to recommend Garrison Diversion fund one-third of the cost for the Eddy County Water Resource District to conduct an engineering study regarding the water flowage issue along the New Rockford Canal contingent upon the Bureau of Reclamation and the Eddy County Water District each paying one-third to the full board. Second by Director Tweed. Upon roll call vote, the following directors voted aye: Hanretty, Tweed, Vein and Walter. Those voting nay: none. Absent and not voting: Pellman. Motion carried.

OTHER BUSINESS

There being no further business to come before the committee, the chairman called for a motion to adjourn.

Motion by Director Hanretty to adjourn the Engineering & Operations Committee meeting. Second by Director Walter. Upon voice vote, motion carried.

The meeting adjourned at 10:57 a.m.

(SEAL)

Kenneth Vein, Chairman

Kip Kovar, Secretary

**GARRISON DIVERSION
CONSERVANCY DISTRICT**

**2023 OPERATION, MAINTENANCE,
and REPLACEMENT WORKPLAN
FOR TRANSFERRED WORKS**

December 27, 2022

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I. INTRODUCTION

A. PURPOSE

This document presents the Garrison Diversion Conservancy District's Annual Operation, Maintenance, and Replacement (OM&R) Workplan as required by the OM&R Transfer Contract 20XX620109. It details work schedules and procedures to ensure that all work performed by the Garrison Diversion O&M personnel will meet high quality standards.

B. ORGANIZATION

The Operation and Maintenance Division is an integrated portion of Garrison Diversion. The overall responsibility for the work performed by the O&M staff rests with Alan Walter, Chairman of the Board of Directors. The general operation is the responsibility of the General Manager, Duane DeKrey. The District Engineer, Kip Kovar, is responsible for the general O&M activity as needed. The General Manager is supplied with summaries of the work accomplished and other pertinent information and periodically provides input on various issues, including safety.

An O&M organizational chart is attached as Appendix A.

There is frequent communication between Darren Murray, O&M Superintendent, located in McClusky with the New Rockford office and Snake Creek Pumping Plant. These personnel work closely with the District Engineer and Staff Engineer in developing the workplan and in the overall coordination of work activities, especially safety and unforeseen or unscheduled activities. All of the O&M staff are encouraged to work closely with and input ideas to their supervisors to ensure that a cooperative and coordinated effort is being made to perform all required work efficiently, effectively and safely. A continual and genuine effort is being made to provide training in all aspects of the work effort and to utilize proper equipment and procedures to develop and implement an efficient and safe O&M program.

C. OPERATIONAL PLAN AND WORK SCHEDULE

Garrison Diversion will annually submit a detailed OM&R Workplan for Reclamation's approval. The workplan will include items to be completed for the Transferred Works and attached in Appendix C will be the workplan submitted by Reclamation for Other Project Works. However, it should be pointed out that this is a dynamic document that may change, depending on actual conditions encountered. All significant changes and activities will be closely coordinated with Reclamation. Before any major unscheduled work item is undertaken, specific plans, specifications and schedules will be submitted to Reclamation for concurrence and comments. Routine work will be performed in accordance with this annual work plan and transfer contract.

Bi-weekly accomplishment reports and schedules will be submitted to Reclamation.

Note: Transferred Works include Snake Creek Pumping Plant (SCPP), McClusky Canal O&M (MM 0-59), McClusky Canal ROW (MM 0-59), and Carrington Headquarters. Other Project works include McClusky Canal O&M (MM 59-74), McClusky Canal ROW (MM59-74), McClusky Canal Recreation, New Rockford Canal & Radio Towers, Arrowwood National Wildlife Refuge, Audubon National Wildlife Refuge, Lonetree Wildlife Management Area, Scattered Tracts, Jamestown Dam, and State and Tribal MR&I.

D. SAFETY PROGRAM

a. General

Garrison Diversion strives to develop and implement a comprehensive safety program. The Garrison Diversion Conservancy District "Safety and Health Program Manual" (Safety Manual) and "North Dakota Workers Compensation Bureau Risk Management Program" summarize many aspects of the safety program. Garrison Diversion has qualified over the past several years and is presently operating with a five percent discount granted by the North Dakota Workers Compensation Bureau.

All O&M employees have received a copy of the May 9, 2007, Safety Manual and are provided time and training to become familiar with its contents. Supervisors and employees are responsible for ensuring that safety is the number one priority. Personnel are receiving primary and advanced safety training as outlined in Appendix B. All operations will be performed in a safe manner, and safety violations will be documented and handled according to policies and procedures outlined in the Safety Manual. Judy Allmaras coordinates Garrison Diversion's overall safety program with as much of it as practical being delegated to the O&M and Carrington offices.

District employees will be guided by the following fundamental principles:

- Let no person think for even an instant that it is acceptable to set aside safe work procedures for personal convenience or to expedite a job.
- Let every person know that it is his/her responsibility to look for and eliminate hazardous working procedures or equipment.
- Let every supervisor and manager know that he/she is to be a model of a positive safety attitude at all times.

b. Job Safety Analysis

One of the best accident-prevention tools supervisors possess is the Job Safety Analysis (JSA). A JSA is a breakdown of the steps needed to safely accomplish a job, with each step being analyzed for associated hazards. Once hazards are identified, solutions can be developed to eliminate them and guard against potential accidents. JSAs are critical to the safety program and will be

developed and/or reviewed for each operation prior to initiating any work tasks. All employees involved in the work will participate in preparing the JSA. All JSAs developed previously will be reviewed and updated prior to performing a job. JSAs will be kept on file in each field office.

c. Training and Certification

Before employees are permitted to operate any equipment, they will be properly trained and certified to operate each piece required of them. Certification will be by Garrison Diversion personnel or other appropriate sources. No one will be permitted to operate any piece of equipment if not certified to do so. Records of operator certification will be kept on task training forms and maintained at the O&M offices.

Brake testing of equipment and heavy vehicles will be performed annually and vehicles certified to assure that they are in safe operating condition from this viewpoint.

Bi-weekly reports will be provided to Reclamation, which includes work accomplished during the reporting period and scheduled work for the following period. Significant issues such as training, inspections, operator certification, brake testing and other issues will also be included.

Emergency action plans will be followed, as needed, as outlined in Section XVII of Garrison Diversion's Safety and Health Manual.

E. BUDGET AND FUNDING

The budget has been prepared for January 1 through December 31, 2023, in conformance with the workplan and is shown in detail in Appendix D.

II. ROUTINE AND SPECIFIC WORK ITEMS

A. GENERAL

The workplan is divided into two parts, routine and specific work activities. Section B below discusses the routine O&M work to be performed at each area. **This work is all considered high priority.**

Specific work activities, which have been identified during various field reviews are listed in section C under their respective location subheadings. **The priorities for these specific work activities are shown by each individual item.** The specific work activities are a comprehensive list for tracking purposes. Completion of these activities may not occur within the timeframe noted in this workplan. Any incomplete specific work activities will be reviewed with Reclamation annually and carried over into subsequent workplans.

All gravel, rock and soil materials will come from archeologically approved sources.

B. ROUTINE OM&R WORK for TRANSFERRED WORKS

a. Facility Maintenance

Activities performed under facility maintenance include; building and yard maintenance, facility surveillance, vegetation control, fence maintenance, O&M road maintenance, structure maintenance, slope stabilization and drain maintenance.

Garrison Diversion personnel will perform all maintenance of buildings and yards and provide janitorial services for all office, shop, and storage facilities at S CPP, McClusky Canal, and Carrington Headquarters.

Portions of the canal and other facilities are monitored for slides, erosion, drainage and other problems on at least a weekly basis. Some activities, such as reading wells and monitoring water elevations and flows, have specific schedules to follow to ensure that all drainage facilities are operating correctly and desirable water levels in the canals are maintained within reason.

Vegetation management along the canal includes several control methods such as aerial and ground spraying, mowing, grazing, burning, or other biological non-chemical control methods. An annual "Vegetation Management Report" is prepared by Garrison Diversion and submitted to Reclamation to report on past and future activities.

Activities along the canal such as repairing fence, cleaning or removing cattle guards, and other general right-of-way related maintenance are performed as needed.

Blading, vegetation control on roads, graveling when needed, filling holes, clearing material deposited from small landslides, and other miscellaneous maintenance items are performed as needed on the McClusky Canal (MM 0-59) O&M roadways. County roads will be mowed in accordance with county regulations.

Maintenance on all structures will be performed as required so that structures are unobstructed and in an operable condition, a master schedule detailing all structures and a schedule for inspecting each type of structure will be maintained. A schedule will be maintained for recoating structures and equipment to improve the life, safety, operating efficiency, and appearance of the structures and equipment. Inaccessible features (headworks, check structures, ND Highway 200 tunnel, and cross drains) were examined in 2022. Recommended to re-inspect the facilities by 2032.

Reclamation will conduct certified bridge inspections biennially on all Type I bridges, as specified in Reclamation's master bridge inspection schedule. Garrison Diversion will inspect the abutments on all bridges across the McClusky Canal (MM 0-59). Garrison Diversion will also annually inspect and clean the bridges on the McClusky Canal (MM 0-59) in Sheridan County, for which Reclamation holds the title.

Stabilizing the cut slopes on the McClusky Canal (MM 0-59) where slope failures have occurred and replacing beach belting where existing material has been eroded are continuing efforts. Repairing slope failures and implementing measures to prevent future failures are to be evaluated with Reclamation.

Obtaining field stone to be used for rip rap throughout the canal for slope stabilization and erosion protection is an ongoing work activity. Garrison Diversion acquires the field stone from landowners with field rock piles near project facilities and then stockpiles the rock on the canal ROW. The rock is screened to separate the soil and sort by size. The soil removed during the process is used as topsoil on other projects for reseeding.

Cleaning, removal, and replacement of buried pipe drains on the McClusky Canal will be completed in accordance with a master schedule. All pipe drains will be maintained in an operational basis and inspected regularly. All drains will be cleaned, as needed, to ensure flows are not obstructed.

b. Water Operations

Garrison Diversion will cooperate with Reclamation in the management and delivery of project water to various water users for various purposes, including but not limited to the Fish and Wildlife Service, North Dakota Game and Fish Department, park boards, irrigators, landowners and ranchers, for wildlife enhancement, recreation, in-stream flow maintenance, livestock watering,

water quality improvement, irrigation, and freshening of the canal and lakes. Monitoring and recording of water supplies, flows, elevations, deliveries, water quality, and other pertinent water operations information is accomplished periodically at numerous sites by the O&M staff at McClusky. All new requests for water are directed to Reclamation. Reclamation will issue and administer all water service contracts.

Garrison Diversion will operate SCPP as specified in the *LOU for interim Operations of Audubon Lake and COE's Snake Creek Dam and Lake Audubon Reservoir Water Control Manual*. Annual water reports will be submitted to Reclamation.

C. SPECIFIC WORK ITEMS TO BE PERFORMED

*** High Priority

** Medium Priority

* Low Priority

Note: Joint reviews required are in bold letters.

a. McClusky Canal (MM0-59)

1. Investigate why in-place envelope material is solidifying around O&M road buried pipe v-ditch drains. Buried drains have been in place in the v-ditches since the early 1980s.**
2. Monitor slides between MM 22-23 left and right, **Monitor any existing French drains in the area to determine whether they are functioning and rehabilitate them as necessary. This work is to be coordinated with Reclamation.****
3. **Work with Reclamation to evaluate the need to replace upper berm drains between MM 41 and 47 and south of the shop.****
4. Remove slides near MM 39-40 left. Side slopes will be flattened to a 2.5:1. **Specific plans are to be agreed upon with Reclamation.***
5. Install French drains where needed from MM 50-54.***
6. Repairs and maintenance at the McClusky shop. Including painting overhead doors on main shop, extend concrete aprons on south side of main building, insulate the shop, and install supplementary heat source in shop bays.**
7. Conduct supplemental surveying of canal invert and structures along the canal.*
8. Analyze water operations including radial gates, MM 28 embankment, MM 52 plug, tunnel and MM 58 plug. Develop a feasibility level analysis for supplying water to the McClusky Canal for Alternative 6 (dredging a

canal), developed by the USACE, if reservoir elevation restrictions are placed on Lake Audubon.**

9. Re-set cross drain end section at MM 11 (station 641+76) that has separated.**
10. Replace grease lines and connection to trunnions at MM 38 radial gate.**
11. Repair and/or reset the lower limit switch for the MM 38 left radial gate.**
12. Repair and/or reset the lower limit switch for the MM 55 right radial gate.**
13. Spot clean and recoat corroded areas of the MM 38 radial gates and arms.*
14. Spot clean and recoat corroded areas of the MM 55 radial gates and arms. Investigate the option to fully remove and recoat gates.*
15. Purchase equipment needed for O&M operations. Equipment to be purchased include (2) tandem axle trucks with dump boxes, a service truck chassis, a 6x6 side-by-side, and a new fuel dispensing/monitoring system.
16. Make repairs to Reclamation owned bridges in accordance with the bridge inspection reports. Guard railing, posts, reflectors and fasteners need repairs on various bridges.***

b. Snake Creek Pumping Plant (SCPP)

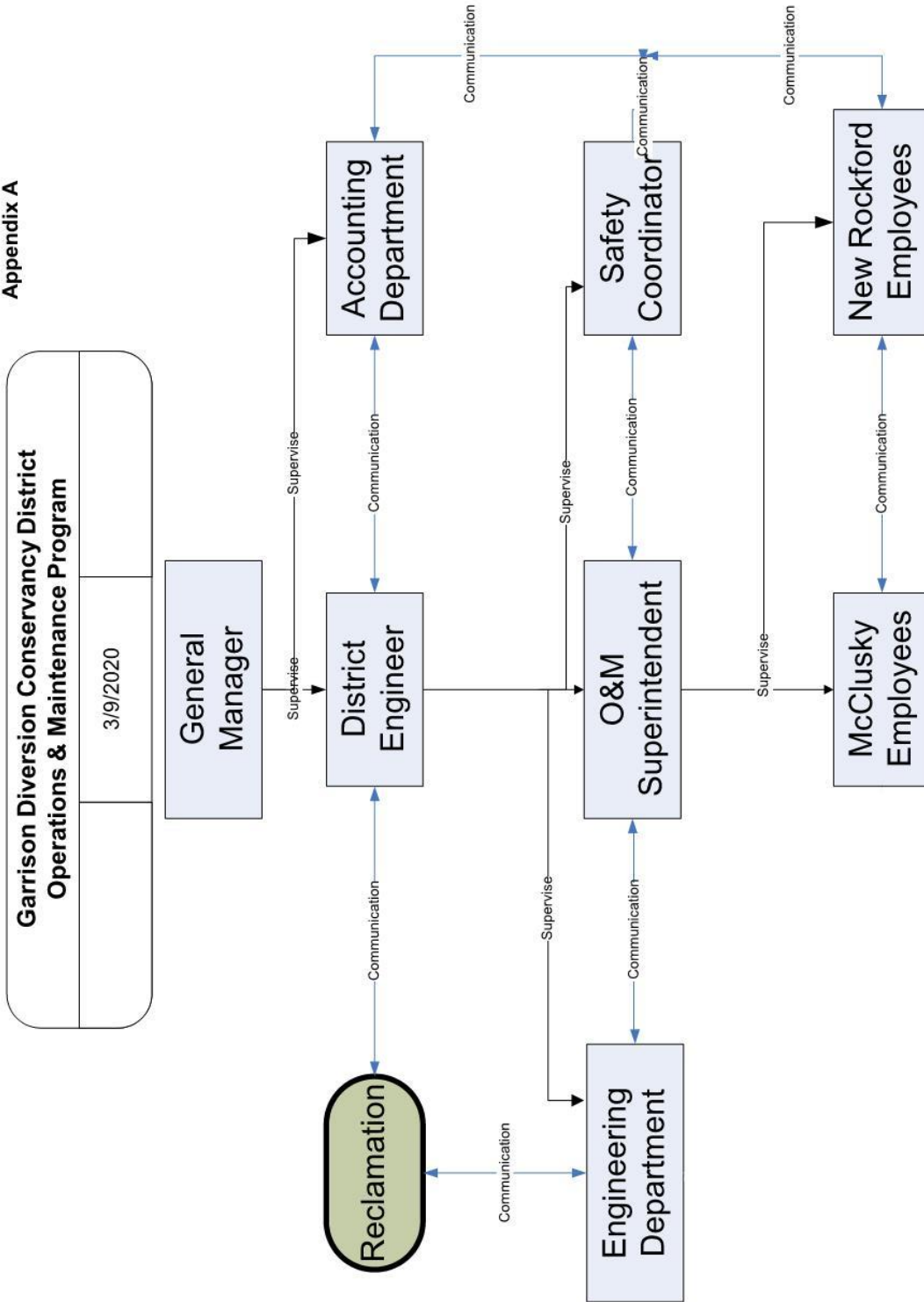
1. Inspect wall thickness of service water pipes. Replace as necessary.**
2. Prepare specifications and contract to recoat Unit #2 and #3 intake elbow from the intake gates to the pump bowl.***
3. Install wi-fi throughout the plant.**
4. Investigate replacing the Azone injection system and upgrading the plants domestic water to a potable system.**
5. Update domestic water tank level control system.**
6. Continue automating SCADA system.**
7. Recoat exterior of substation switchgear.***
8. Contact Siemens to program motor shutdown and high sump through security system callout.***

9. Install camera on west side of superstructure.*
10. Update Arc Flash study within facility.***
11. Replace pumps: (1) Fire Suppression, (1) Domestic Water, (1) Emergency Water.*
12. Repair holding tanks and plant sewer system.*
13. Upgrade plant security system.*
14. Perform DC ramp test and determine baseline for motor cables.***
15. Repair/replace outlet wing wall.*
16. Replace expired safety gear within plant.***
17. Investigate options for more maintenance shop storage.*
18. Coordinate demo and construction of NAWWS intake. Assure safe working and facility security are implemented throughout the construction activities. Gather and store equipment and components that would be beneficial for future maintenance. Coordinate delivery and offload of components hauled to McClusky.***
19. Renew NDPDES permit for discharges at SPCP Gather quarterly water samples and report results in accordance with the permit.***
20. Participate in Associated Facility Review.***

D. MILESTONES AND COMPLETION DATES

Tasks	Milestones	Completion Date
2	Annual jetting of Jamestown relief wells	April 15
3	Complete 1 st quarter water operations report	April 30
4	Complete maintenance and repairs on equipment, pumping plants and distribution systems in preparation for yearly water distribution	May 1
6	Reach Lake Audubon summer target elevation	May 25
7	Water up pipe laterals and pumping plants for irrigation season	June 10
8	Complete hay auction	June 15
9	Complete spring blading of O&M roads	June 30
10	Sweep bridge decks	June 30
11	Complete 2 nd quarter water samples along the McClusky Canal	June 30
12	Complete water deliveries to FWS WDA's	June 30
13	Complete summer mowing of county and township road ditches	July 15
14	Complete 2 nd quarter water operations report	July 30
15	Complete fall blading of O&M roads	Sept 1
16	Complete annual noxious weed spraying	Sept 30
17	Annual inspection of bridge abutments	Sept 30
18	Conduct joint annual inspection of New Rockford and McClusky Canals	Sept 30
19	Complete 3 rd quarter water samples along the McClusky Canal	Sept 30
20	Complete fall mowing of county and township road ditches	Sept 30
21	Dewater and winterize pipe laterals and pumping plants	Nov 15
22	Complete annual vegetation management report	Dec 31
23	Submit annual water delivery summary	Dec 31

Appendix A



Appendix B

**GARRISON DIVERSION CONSERVANCY DISTRICT
MANDATORY ANNUAL SAFETY TRAINING**

Topic	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1st Aid												
CPR												
Defensive Driving												
Skidsteer/Forklift												
Safety Attitude	X											
Cell Phone Safety	X											
JSAs	X											
Safety Conference		X										
Hearing Protection/Survey/Tests				X								
Eye Protection	X	X										
Head Protection	X	X										
Foot Protection	X	X										
Hand Protection	X	X										
Ladders, Slips, Trips & Falls			X									
General Safety Rules				X								
Drug/Alcohol/Medical				X								
Incident/Near Miss Reporting				X								
Health Physicals				X								
Pesticides				X								
Respirator/Fit Testing					X							
Hanta Virus/West Nile					X							
CPR/Bloodborne Pathogens					X				X			
Welding					X							
Compressed Gases					X							
Working Outdoors						X						X
Fire Protection/Mean of Egress/Emergency Plans						X						
Trenching/Excavation							X					
Lockout/Tagout Verifications							X					
Machine Guarding							X					
Hand/Power/Stationary Tools							X					
Hazard Communication/Materials/MSDS								X				
Ergonomics								X				
Housekeeping									X			
Scaffolding									X			
Rigging/Hoisting/Slings/Chains									X			
Electrical Safety										X		
Back Safety											X	
Carbon Monoxide											X	
Confined Spaces											X	
Ice/Winter Safety												X
Battery Safety												X
Asbestos												X
Painting												X
Miscellaneous Training												X

Appendix C

**GARRISON DIVERSION UNIT
OPERATION, MAINTENANCE, and
REPLACEMENT WORKPLAN
FOR OTHER PROJECT WORKS**

January 1, 2023- December 30, 2023

October 27, 2022

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I. INTRODUCTION

A. Purpose

This document presents Reclamation's annual operation, maintenance, and replacement (OM&R) workplan as required by OM&R Transfer Contract 20XX620109. It details work items presented to Garrison Diversion to be performed on Other Garrison Diversion Unit (GDU) Project Works, in addition to the Transferred Project Works.

B. General

Reclamation will annually submit an OM&R workplan listing work items for Other GDU Project Works to Garrison Diversion for consideration to complete. This is a dynamic document that may change, depending on actual conditions encountered. All significant changes and activities will be closely coordinated between Reclamation and Garrison Diversion. Before any major unscheduled work item is undertaken, Reclamation and Garrison Diversion will verbally concur on schedule and budget. Routine work will be performed in accordance with this annual workplan. Accomplishments will be reported to Reclamation along with accomplishment reports for the transferred works.

Other GDU Project Works, included in this Workplan: McClusky Canal mile-marker (MM) 59-74, New Rockford Canal, Lonetree Wildlife Management Area, Jamestown Dam, Arrowwood and Audubon National Wildlife Refuge mitigation features, Scattered Tracts wildlife development areas, radio towers, State and Tribal MR&I, and McClusky Canal recreation facilities. Work and costs will be tracked separately for each facility by Garrison Diversion and fully reimbursed by Reclamation according to OM&R Transfer Contract 20XX620109.

The workplan is divided into two parts, routine and specific work activities. Section C below discusses the routine OM&R work to be performed by area. All routine work is considered high priority.

Specific work activities, which have been identified during various field reviews are listed in Section D under their respective location subheadings. **The priorities for these specific work activities are shown by each individual item.**

Garrison Diversion should track maintenance in a Facilities Maintenance Checklist. Joint OM&R reviews may be scheduled between Reclamation and Garrison Diversion to ensure work is being accomplished within agreed upon priorities, schedules, and budget.

C. Routine OM&R Work

a. McClusky Canal (MM 59-74) and New Rockford Canal

Garrison Diversion is to perform all maintenance of buildings and yards and provide janitorial services for all office, shop, and storage facilities at New Rockford.

Canals and associated facilities are to be monitored for slides, erosion, drainage and other problems on at least a weekly basis. Some activities, such as reading wells and monitoring water elevations and flows, have specific schedules to follow to ensure that all drainage facilities are operating correctly and desirable water levels in the canals are maintained within reason. On the New Rockford Canal, slides within the canal prism should be covered with gravel material available from Reclamation's cleared Lonetree gravel pit to protect O&M roads and to cover canal lining.

Vegetation management along the canals includes several control methods such as aerial and ground spraying, mowing, grazing, burning, or other biological non-chemical control methods.

Activities along the canal such as repairing and removing fence, cleaning or removing cattle guards, and other general right-of-way related maintenance are to be performed as needed.

Blading, vegetation control on roads, graveling when needed, filling holes, clearing material deposited from small landslides, and other miscellaneous maintenance items are to be performed as needed on the McClusky Canal (MM 59-74) O&M roadways to maintained at least one passable O&M road along the length of the canal. The New Rockford Canal O&M roads are to be maintained with chemical and mowing methods, with blading only as necessary. County roads are to be mowed in accordance with county regulations.

Maintenance on all structures is to be performed as required so that structures are unobstructed and meet current operational needs. A master schedule detailing all structures and a schedule for inspecting each type of structure is to be maintained. A schedule is to be maintained for recoating structures and equipment to maintain the life, safety, operating efficiency, and appearance of the structures and equipment.

Reclamation will conduct certified bridge inspections biennially on all Type I bridges in accordance with their inspection schedule. Garrison Diversion is to annually inspect all bridge abutments within McClusky Canal MM 59-75 and New Rockford Canal. Garrison Diversion is to maintain McClusky Canal MM 59-74 bridges markers, attenuation systems, and remove any gravel from the bridge decks.

Cleaning, removal, and replacement of buried pipe drains of McClusky Canal MM 59-74 and New Rockford is to be completed in accordance with a master schedule. The schedule also includes jetting Jamestown Dam relief wells and toe drains. All pipe drains are to be maintained in an operational basis and inspected regularly. All drains are to be cleaned, as needed, to ensure flows are not obstructed.

Water operations on the McClusky Canal MM 59-74 and New Rockford Canal are to be maintained in a dewatered condition as much as practical.

b. Radio Towers

Garrison Diversion is to maintain the towers, buildings, and grounds at Dogden Butte and Prophets Mountain radio tower sites. Noxious weed control and site security are to be performed at the Harvey, Jamestown, LaMoure, and Devils Lake sites.

c. Jamestown Dam

Garrison Diversion is to jet clean the eight relief wells in the spring and fall; jet clean the horizontal drains and pipes in the spring; mow and spray the dam site area in late June and in mid-September; and remove snow as required for winter access.

d. McClusky Canal Recreation

For areas open to the public, maintain lands and facilities necessary to provide minimum basic facilities to meet public health and safety standards, primarily in the Chain-of-Lakes Area. This includes routine maintenance of restroom facilities, boat docks, boat ramps, parking areas, camp sites, fire rings, signs, and garbage pickup. It also includes spraying noxious weeds, managing the vegetation, and mowing parking areas and fire breaks. Standard operating procedures (SOP) have been developed for describing the facilities, O&M activities, schedules, and procedures. The SOP is reviewed annually and updated as necessary by Reclamation and Garrison Diversion.

e. Other GDU Project Works

Reclamation may ask Garrison Diversion to provide assistance on maintenance of other GDU Project Works as needed. This work is typically short-term projects, occurs unexpectedly, and is difficult to plan for. An example of this work item, which has occurred in the past, is setting up emergency pumping operations for Tribal MR&I systems. Garrison Diversion has the equipment and personnel expertise to complete this work in the most efficient and economical manner without disruption to another OM&R work on GDU. In the event such work activities occur, they will be handled as unscheduled work activities and closely coordinated between Reclamation and Garrison Diversion.

D. Specific Work Items

*** High Priority

** Medium Priority

* Low Priority

a. McClusky Canal (MM 59-74)

- Fix v-ditch at MM 62L.***
- Remove any trees within 100 feet from any canal embankment/fill areas. ***
- Inspect all cross-drainage siphons and culverts and re-set or grout end sections that have separated. **

b. New Rockford Canal

- Inspect significant New Rockford Canal features that are typically inundated with water (stations 433+91, 1390+54, 1620+86, and 2221+58).** (O&M Recommendation 2019-2-B)
- Inspect and repair cross drain end sections that have separated from the conduits. *** (O&M Recommendation 2019-2-C)
It is suggested that two cables or bars be attached from the end section to the conduit to prevent separation from happening again.
- The cross drain at MM 28.5L needs to be repaired. Resetting the inlet may not be possible. Repairs could include grouting, installing a metal plate or tie the inlet and the culvert with metal strapping.
- Monitor the voids under abutments concrete pile caps of bridges NR1-7, NR1-8, and NR1-9. Add material to the bridge abutments in the canal prism that are exhibiting settling. It is suggested to fill to a 3:1 slope. Need to backfill the abutments of bridge NR1-12. Additional settlement has occurred at the previous grouted repair.*
- Drain oil from all the radial gate gearboxes, as many of them have started to leak. *
- Remove the sediment in front of the field culvert located on the James River Drain 9.
- Repair pump No. 1 of the relief well located at approximate MM 7.4 (station 389+80). Pump has been installed, but discharge pipeline within manhole needs repair. (O&M Recommendation 2019-3-A)

- Seal the downstream headwall of bridge structure NR1-11 with Dural 335 or similar product. (O&M Recommendation 21-2-A). ***
- Woody vegetation should be sprayed or removed from within the prism of the canal and bridge prisms. ***

c. **New Rockford Office**

- Replace damaged concrete sidewalks***
- Adjust front door to open and close freely. ***
- Investigate the tar-like substance appearing in the yard. Remove and dispose of per Reclamation's direction. *** Once given the State's approval on the voluntary clean-up plan, properly excavate and dispose of the tar-like substance in the NR field office yard.

d. **Arrowwood National Wildlife Refuge**

- Replace wire connections to electrodes within the fish barrier culverts. ***
- Place riprap within bypass channel prism south of CR44.***

e. **Audubon National Wildlife Refuge**

- Gather field stones for later use on Audubon dike repairs, stockpile at the McClusky Canal Headworks. Gather and screen rockpiles on refuge as directed by FWS. *
- Repair erosion on Norland dike.*

f. **Lonetree**

No specific work schedule for 2023.

g. **Scattered Tracts**

No specific work scheduled for 2023.

h. **Radio Towers**

- Work together with Reclamation to decommission radio tower sites as determined necessary. *
- Conduct a joint site review of all radio tower sites with Reclamation. *

i. Jamestown Dam

- Fabricate and install a galvanized ladder into east toe drain inspection well.***
- Install cofferdam in outlet works channel to allow for inspection of the stilling basin concrete repairs.***
- Contract for mold remediation of the adit.***

j. McClusky Canal Recreation

- Finish camp host site connections.***
- Transplant trees.***
- Install new campsite markers.***
- Purchase new storage unit.*
- Repair boat ramps at COL.*
- Gravel access roads at COL.*
- Investigate and repair East Park Lake Dump Station.***
- Shoreline stabilization at New Johns.*
- East Park Lake swim beach development.*
- East Park Lake campsites access road.*

E. MILESTONES AND COMPLETION DATES

Tasks	Milestones	Completion Date
1	Clean and prepare Chain of Lakes for public use	May 20
2	Complete hay auction	June 15
3	Inspect and maintain Chain of Lakes for public use	June 30
4	Complete spring blading of roads	June 30
5	Sweep bridge decks	June 30
6	Jamestown spring mowing, spraying, & jetting of relief wells	July 1
7	Complete summer mowing of county and township road ditches	July 15
8	Complete fall blading of O&M roads	Sept. 1
9	Inspect and maintain Chain of Lakes for public use	Sept. 20
10	Complete annual noxious weed spraying	Sept. 30
11	Annual inspection of bridge abutments	Sept. 30
12	Conduct joint annual inspection of New Rockford and McClusky Canals	Sept. 30
13	Complete fall mowing of county and township road ditches	Sept. 30
14	Jamestown fall mowing, spraying, & jetting of relief wells	Sept 30

OMR Contract # 20XX620109
Budget FY 2023

BUDGET ITEM DESCRIPTION	Transferred Works Jan 1 to Dec 31, 2023	Other Project Works Jan 1 to Dec 31, 2023	Total Budget Jan 1 to Dec 31, 2023
SALARIES AND WAGES			
O&M Wages	\$ 804,600.00	\$ 215,800.00	\$ 1,020,400.00
Management Salaries	\$ 100,696.28	\$ 37,603.72	\$ 138,300.00
Total Wages	\$ 905,296.28	\$ 253,403.72	\$ 1,158,700.00
FRINGE BENEFITS			
O&M Benefits	\$ 374,086.68	\$ 100,213.32	\$ 474,300.00
Management Benefits	\$ 44,176.68	\$ 15,823.32	\$ 60,000.00
Total Benefits	\$ 418,263.36	\$ 116,036.64	\$ 534,300.00
TRAVEL			
Travel	\$ 2,247.03	\$ 5,952.97	\$ 8,200.00
TRAINING			
Training	\$ 912.00	\$ 688.00	\$ 1,600.00
EQUIPMENT			
Equipment Maintenance	\$ 173,273.33	\$ 42,726.67	\$ 216,000.00
Equipment Lease	\$ 8,000.00	\$ -	\$ 8,000.00
Equipment Purchase	\$ 180,600.00	\$ 239,400.00	\$ 420,000.00
Total Equipment	\$ 361,873.33	\$ 282,126.67	\$ 644,000.00
SUPPLIES/MATERIALS			
Supplies	\$ 140,164.07	\$ 85,835.93	\$ 226,000.00
Materials	\$ 361,500.00	\$ 60,000.00	\$ 421,500.00
Total Supplies & Materials	\$ 501,664.07	\$ 145,835.93	\$ 647,500.00
CONTRACTUAL SERVICES			
Engineering	\$ 49,740.00	\$ 33,160.00	\$ 82,900.00
Professional Services	\$ -	\$ 10,000.00	\$ 10,000.00
Total Contractual Services	\$ 49,740.00	\$ 43,160.00	\$ 92,900.00
OTHER			
Utilities	\$ 25,986.41	\$ 53,213.59	\$ 79,200.00
Safety	\$ 58,294.70	\$ 19,705.30	\$ 78,000.00
Miscellaneous	\$ 4,058.39	\$ 10,841.61	\$ 14,900.00
Total Other	\$ 88,339.51	\$ 83,760.49	\$ 172,100.00
TOTAL DIRECT COSTS	\$ 2,328,335.57	\$ 930,964.43	\$ 3,259,300.00
INDIRECT COSTS			
TOTAL INDIRECT COSTS- Rate 27.8%	\$ 575,247.49	\$ 175,574.91	\$ 750,822.40
TOTAL PROJECT COSTS	\$ 2,903,583.06	\$ 1,106,539.34	\$ 4,010,122.40

*Transferred works include:

Snake Creek Pumping Plant
McClusky Canal O&M (MM 0-59)
McClusky Canal ROW (MM 0-59)
Carrington HQ non-routine costs

**Other Project works include:

McClusky Canal O&M (MM 59-74)
McClusky Canal ROW (MM 59-74)
McClusky Canal Recreation
New Rockford Canal & Radio Towers
Arrowwood National Wildlife Refuge
Audubon National Wildlife Refuge
Lonetree
Scattered Tracts
Jamestown Dam
Tribal MR&I

**Garrison Diversion Conservancy District
Operations and Maintenance Division
Committed Funds from Year 2022**

<u>Equipment</u>		<u>Amount</u>
1-ton pickup	\$	32,374.00
Heavy Haul Trailer	\$	87,110.00
Self-Propelled Sprayer	\$	263,675.00
Compact Track Loader	\$	44,702.22
Total Equipment Contracts	\$	427,861.22
<u>Contracted Services</u>		
Class 5	\$	97,500.00
Envelope Rock	\$	48,000.00
	\$	-
Total Contracted Services	\$	145,500.00
<u>Professional Services</u>		
Task Order 1.25 - SC REM Alt Feasibility	\$	53,586.90
Task Order 1.27 Snake Creek Structure Repairs	\$	21,000.00
KLJ New Rockford VRAP	\$	10,660.00
Total Professional Services	\$	10,660.00
Total Committed Funds	\$	584,021.22
<u>Total Committed Funds Subject to Indirect</u>		
	\$	156,160.00
	\$	-
	\$	156,160.00
Indirect Cost Rate 2023	X	27.80%
Indirect Cost on Committed Funds	\$	46,582.53
Total Cost Committed Funds	\$	630,603.75

**Garrison Diversion Conservancy District
Operations and Maintenance Division
Estimated Appropriation**

2022 Committed Funds	\$	630,603.75
<u>2023 Program Work Budget</u>	\$	<u>4,010,122.40</u>
2023 Estimated Funds Needed	\$	4,640,726.15

**2023 Maintenance Work Plan
Devils Lake Outlet**

State Water Commission
and
Garrison Diversion Conservancy District

January 5, 2023

1) Introduction

The State Water Commission (SWC) owns and manages the Devils Lake Outlet. The outlet consists of an intake located on Round Lake, two pumping stations, 10.3 miles of canal, 3 miles of pipeline and an outlet discharge structure. The Garrison Diversion Conservancy District (Garrison Diversion) has a Memorandum of Understanding dated April 21, 2006, with the SWC to perform general maintenance work.

All work is coordinated and requested by the Devils Lake Outlet manager. Routine work items will be scheduled between the outlet manager and the New Rockford foreman.

Additional work items will be coordinated between the outlet manager and the O&M Superintendent at McClusky. Sufficient time should be allowed for Garrison Diversion to mobilize their work force. A summary of work items should be sent to Garrison Diversion in April of each year.

2) Contacts

- i) SWC – Jeff Trana, Outlet Manager (701) 527-4873
- ii) SWC – Chris Korkowski, Investigations Section Chief (701) 328-2762
- iii) Garrison Diversion - Vern Schafer, O&M Operator II (701) 947-2001
- iv) Garrison Diversion - Darren Murray, O&M Superintendent (701) 363-2950
- v) Garrison Diversion - Kip Kovar, District Engineer (701) 652-3194
- vi) Garrison Diversion - Scott Mehring, Master Electrician (701) 947-2001

3) Routine Work

- i) Spraying - Typically, spraying will be accomplished twice a year. Garrison Diversion will spray once in the spring, and the SWC will spot spray in the fall. The outlet manager will assist Garrison Diversion in identifying all outlet right-of-ways.
- ii) Mowing - The outlet manager will identify areas which are to be mowed twice a year. State law opens mowing on July 15 of each year.
- iii) Fence Repair - The outlet manager will identify areas to be fixed. Supplies will be provided by the SWC.
- iv) Water Sampling - Weekly water samples are taken and sent to the North Dakota Health Department. Twelve locations on the Red and Sheyenne Rivers are sampled each week. On the Sheyenne River, three sites are near the West Outlet,

- and one each at Warwick, East Outlet, Tolna Dam, Pekin, Cooperstown, Lake Ashtabula, Baldhill Dam, Lisbon and Horace. On the Red River, the sites are at Harwood and Halstad. Sampling at the Lake Ashtabula, Harwood and Halstad sites are rotated every other week and the Tolna dam site is sampled twice a summer.
- v) Operating Outlet - Garrison Diversion provides one employee to work directly with the Devils Lake Outlet manager on an on-call basis to operate the facilities.
 - vi) Weed Removal - The open canal, along with trash racks, need to be cleaned due to weed growth in the canal. Equipment required in the past has included anything from a hand rake up to a small excavator.

4) Additional Work Items

- i) Erosion control will be coordinated in conjunction with water operations.
- ii) Additional items to be coordinated with the State Water Commission.
- iii) All of the above work items also apply to the newly constructed East End Outlet.

2023 WORK PLAN

Garrison Diversion Conservancy District

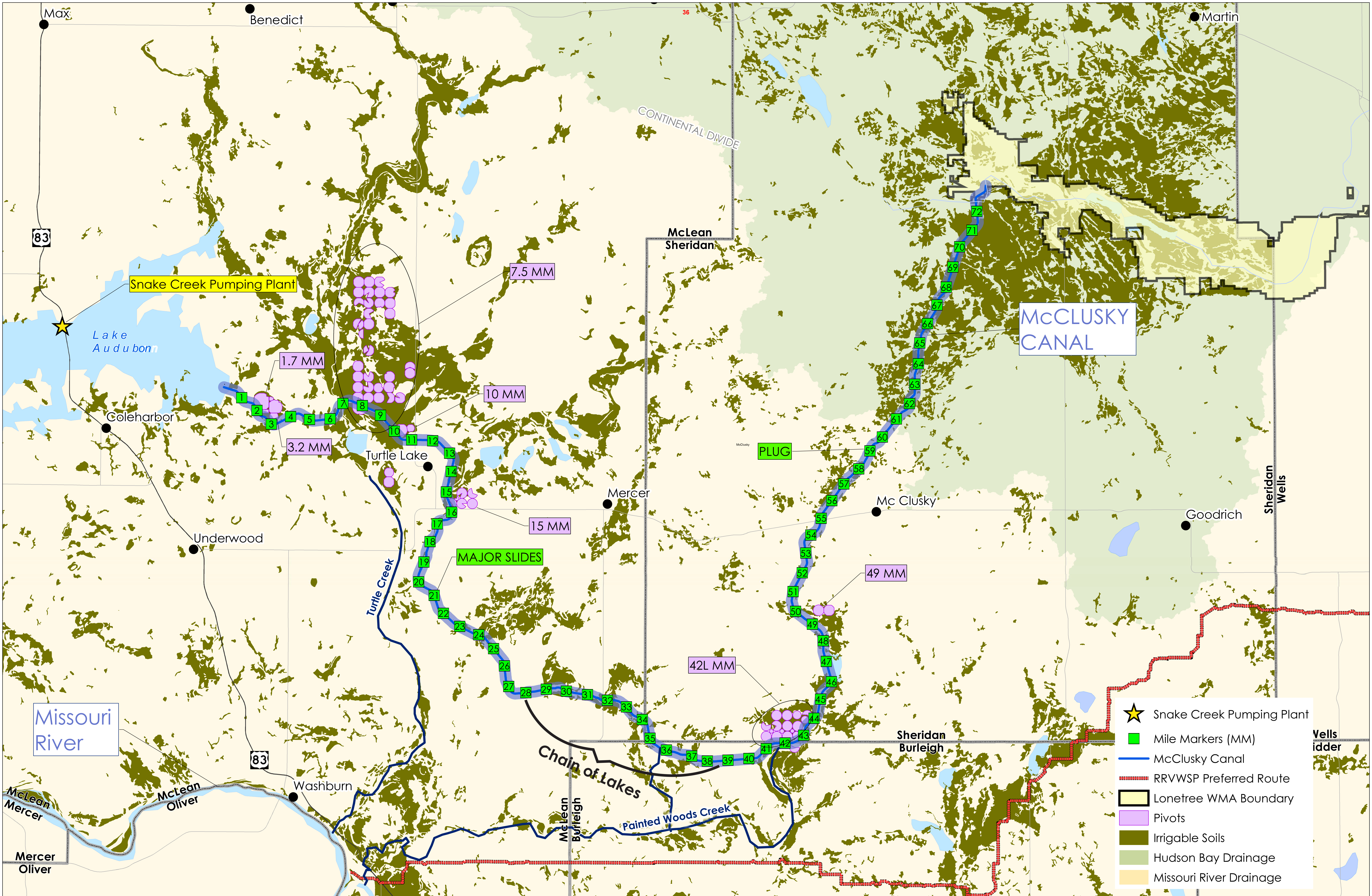
A. Engineering & Operations

1. Maintain quality staff and equipment
2. Implement "5-Year Work Plan"
3. Complete 2023 annual work plan on GDU facilities
4. Complete 2023 annual work plan for Devils Lake Outlet maintenance
5. Complete 2023 work plan for McClusky Canal Irrigation Projects
6. Assess the future utilization of the New Rockford Canal

B. 2023 additions

**GARRISON DIVERSION CONSERVANCY DISTRICT
BUDGET EXPENDITURES
January 1, 2023 to December 31, 2023**

	Budget 2022	Budget 2023
GDU O & M		
Salaries & Benefits	\$2,247,266	\$1,921,000
Salaries	\$1,446,050	\$1,183,000
Benefits	\$801,217	\$738,000
Travel	\$17,115	\$14,000
Training	\$9,000	\$4,000
Utilities	\$87,000	\$93,000
Contracted Services (Eng / Survey)	\$280,000	\$423,000
Supplies	\$652,000	\$225,000
Equipment Purchases	\$385,000	\$400,000
Small Equipment Purchases	\$15,000	\$11,000
Equipment Rental	\$112,000	\$50,000
Equipment Maintenance	\$286,240	\$505,000
Safety	\$58,985	\$53,000
Miscellaneous	\$22,000	\$13,000
Materials	\$417,000	\$475,000
Total GDU O & M	\$4,588,606	\$4,187,000



McCLUSKY CANAL

Date: 2/15/2019



Edited by: hrecords
Imagery 2015 NAIP

Coordinate System: UTM Zone 14N

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**Garrison Diversion Unit
Five-Year Operation,
Maintenance &
Replacement Plan
2023-2027**

July 10, 2023

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I. PURPOSE AND OBJECTIVES

A. Purpose

The purpose of this plan is to reaffirm objectives and maintenance criteria and to present work activities and estimated funding requirements to guide the Operation, Maintenance and Replacement (OM&R) Program of constructed Garrison Diversion Unit (GDU) facilities over the next five years under a cooperative agreement between the Garrison Diversion Conservancy District (Garrison Diversion) and Bureau of Reclamation (Reclamation).

B. Objectives

The objectives of the OM&R Program are: 1) to protect the federal investment, 2) to maintain public safety, 3) to provide long-term beneficial use and public benefits, 4) to protect water, land, wildlife, and cultural resources, and 5) to provide for future operations and management of project facilities as authorized by current legislation and within current environmental analyses.

II. BACKGROUND

GDU Project facilities constructed to date include: Snake Creek Pumping Plant (SCPP), McClusky Canal, Lonetree Wildlife Management Area, New Rockford Canal, Jamestown Dam and Reservoir, Oakes Test Area (OTA) irrigation facilities, Kraft Slough Wildlife Management Area, recreation facilities, radio towers, scattered tracts wildlife development areas, Audubon and Arrowwood National Wildlife Refuge (NWR) mitigation features, State and Tribal Municipal, Rural and Industrial (MR&I) water systems, and office and shop facilities at McClusky, New Rockford, Oakes, and Carrington.

In July 1991, Reclamation entered into Cooperative Agreement No. 1-FC-60-01790 with Garrison Diversion for OM&R of the McClusky Canal, New Rockford Canal, and OTA and to provide assistance as needed on other GDU facilities. OM&R of constructed GDU facilities continued under subsequent Cooperative Agreements Nos. R91AC60001 and R11AC60005. In June 2020, Reclamation entered into contract No. 20XX620109 an Operation, Maintenance and Replacement Contract of Certain Project Works with Garrison Diversion. This five-year plan covers work proposed to be completed by Garrison Diversion under contract. Reclamation provides Garrison Diversion with the funding, from annual GDU appropriations, necessary to perform the OM&R functions. Reclamation also cooperates with Garrison Diversion in providing technical assistance on OM&R activities and administrative assistance on NEPA/NHPA compliance requirements. The Dakota Water Resources Act of 2000 (DWRA), the current legislative authority for GDU, states in part in Section 1 (g) "The Secretary shall enter into one or more

agreements with the State of North Dakota to carry out this Act, including operation and maintenance of the completed unit facilities....”.

III. GENERAL OPERATION, MAINTENANCE AND REPLACEMENT CRITERIA

- Routine OM&R of the McClusky Canal, New Rockford Canal, and Snake Creek Pumping Plant, as covered in the OM&R contract is to continue with particular focus on:
 - Protecting the federal investment
 - Maintaining a competent, well-trained OM&R work force
- Clear instances of public safety are to be given priority (i.e. structural integrity of bridges).
- Safe access is to be maintained along at least one side of the canals.
- Protection of private and public lands outside project ROWs from activities associated with OM&R of project facilities is to be given priority.
- The canal prism should be maintained to protect O&M roads, lands outside the canal ROWs, and to protect canal lining on watered canal reaches.
- At New Rockford, minimum maintenance will be provided to protect the federal investment and public safety.
- Slides on the McClusky Canal should be repaired to the extent needed to meet existing water demands. Repair measures are to be developed on a case-by-case basis.
- Measures to prevent slope failures are to proceed (i.e. V ditch drain conversions, berm drain modifications, and interceptor drains).
- Focus on efficient and economical methods to minimize costs, including contracting.
- Provide assistance with maintenance of other constructed GDU facilities as requested by Reclamation.

In 2020 Garrison Diversion entered into Contract No. 20XX620109 with Reclamation. This contract assigned responsibility for the OM&R of transferred works to Garrison Diversion. The transferred works include Snake Creek Pumping Plant (SCPP), McClusky Canal O&M (MM 0-59), McClusky Canal ROW (MM 0-59), and Carrington Headquarters. Reclamation retains the OM&R responsibilities for other project works. Garrison Diversion will complete the agreed upon routine and extraordinary work at the other project works. Other Project works include McClusky Canal O&M (MM 59-74), McClusky Canal ROW (MM59-74), McClusky Canal Recreation, New Rockford Canal & Radio Towers, Arrowwood National Wildlife Refuge, Audubon National Wildlife Refuge, Lonetree Wildlife Management Area, Scattered Tracts, Jamestown Dam, and State and Tribal MR&I.

IV. STATUS

A. McClusky

Primary construction of the McClusky Canal covered the period beginning in the early 1970s through 1980. Overall, the McClusky Canal is in acceptable condition, except for the major slide area between mile marker (MM) 20-21.5. On average, the McClusky Canal currently delivers approximately 10,000 acre-feet of water a year for uses such as irrigation, fish and wildlife mitigation and enhancement, livestock watering, recreation, water quality maintenance, and in-stream flow needs. The canal is used from MM 1 to MM 59. From MM 59 to the end, at MM 74, the canal is dewatered. Interest in contracting for irrigation water from the McClusky Canal has been increasing in recent years.

Two major areas which will need to be addressed to ensure delivery of a firm water supply which are not included in this plan are: 1) repairs to the major slide area between MM 20-21.5 (handled under a separate cooperative agreement) and 2) modification to the MM 59 Plug.

B. New Rockford

Construction of the New Rockford Canal covered the period beginning in 1983 through 1991. Overall, the New Rockford Canal is in acceptable condition. The canal does not deliver water for any use and is not in operation. Natural runoff, which accumulates in the canal, is outlet to the James River.

Significant items which need to be addressed on the canal for the future are dealing with the effects the canal has on cross drainage along its 42-mile length and how best to manage and maintain the canal given its unknown future.

C. Snake Creek Pumping Plant

Construction of the Snake Creek Pumping Plant (SCPP) covered the period beginning in 1970 through 1974. The SCPP consists of a reinforced concrete structure, three vertical shaft pumping units, and three 11-foot discharge pipes. The three pumps each have a high-head and low-head bowls to cover the required pumping head range. Each pump is powered by an 8,000 -horsepower synchronous motor with power provided from the Garrison Powerplant. The total capacity of the three pumps is 2,050 cubic feet per second.

The SCPP pumps water from Lake Sakakawea to Lake Audubon to maintain a summer target elevation of 1847 feet. Overall, the SCPP is in acceptable condition. Design of converting one of the pumps and a discharge pipe of the SCPP to an intake for the Northwest Area Water Supply is on going.

V. ROUTINE OM&R, 2023-2027

Routine OM&R of the McClusky Canal, New Rockford Canal, and Snake Creek Pumping Plant is to continue. Routine OM&R activities include facility maintenance, water operations, and maintenance at other GDU Facilities.

A. Facility Maintenance

Activities performed under facility maintenance include; building and yard maintenance, facility surveillance, vegetation control, fence maintenance, O&M road maintenance, structure maintenance, slope stabilization and drain maintenance.

Garrison Diversion personnel will perform all maintenance of buildings and yards and provide janitorial services for all office, shop, and storage facilities at SCPP, McClusky, New Rockford, and restrooms at the Chain-of-Lakes area.

Portions of canals and other facilities are monitored for slides, erosion, drainage and other problems on at least a weekly basis. Some activities, such as reading wells and monitoring water elevations and flows, have specific schedules to follow to ensure that all drainage facilities are operating correctly and desirable water levels in the canals are maintained within reason.

Vegetation management along the canals includes several control methods such as aerial and ground spraying, mowing, grazing, burning, or other biological non-chemical control methods. An annual "Vegetation Management Report" is prepared by Garrison Diversion and submitted to Reclamation to report on past and future activities.

Activities along the canal such as repairing fence, cleaning or removing cattle guards, and other general right-of-way related maintenance are performed as needed.

Blading, vegetation control on roads, graveling when needed, filling holes, clearing material deposited from small landslides, and other miscellaneous maintenance items are performed as needed on the McClusky Canal O&M roadways. County roads will be mowed in accordance with county regulations. The New Rockford Canal O&M roadways will be maintained with chemical and mowing methods, with blading only as necessary.

Maintenance on all structures will be performed as required so that structures are unobstructed and in an operable condition, a master schedule detailing all structures and a schedule for inspecting each type of structure will be maintained. A schedule will be maintained for recoating structures and equipment to improve the life, safety, operating efficiency, and appearance of the structures and equipment.

Reclamation will conduct certified bridge inspections biennially on all Type I bridges, as specified in Reclamation's master bridge inspection schedule. Garrison Diversion will inspect the abutments on all bridges across the McClusky Canal, New Rockford Canal, and Oakes Test Area annually. Garrison Diversion will also inspect annually the bridges on the McClusky Canal in Sheridan County, for which Reclamation holds the title.

Stabilizing the cut slopes on the McClusky Canal where slope failures have occurred and replacing beach belting where existing material has been eroded are continuing efforts. Repairing slope failures and implementing measures to prevent future failures are to be evaluated with Reclamation.

Obtaining field stone to be used for rip rap throughout the canal for slope stabilization and erosion protection is an ongoing work activity. Garrison Diversion acquires the field stone from landowners with field rock piles near project facilities and then stockpiles the rock on the canal ROW. The rock is screened to separate the soil and sort by size. The soil removed during the process is used as top soil on other projects for reseeding.

Cleaning, removal, and replacement of buried pipe drains in McClusky and New Rockford will be completed in accordance with a master schedule. The schedule also includes jetting Jamestown Dam relief wells and toe drains. All pipe drains will be maintained in an operational basis and inspected regularly. All drains will be cleaned, as needed, to ensure flows are not obstructed.

For areas open to the public, maintain lands and facilities necessary to provide minimum basic facilities to meet public health and safety standards, primarily in the Chain-of-Lakes Area, which is part of the McClusky Canal system. This includes routine maintenance of restroom facilities, boat docks, boat ramps, parking areas, camp sites, fire rings, signs, and garbage pickup. It also includes spraying noxious weeds and managing the vegetation, mowing parking areas and fire breaks. Standard operating procedures (SOP) have been developed for describing the facilities, O&M activities, schedules, and procedures. The SOP is reviewed annually and updated as necessary by Reclamation and Garrison Diversion.

B. Water Operations

Garrison Diversion will cooperate with Reclamation in the management and delivery of project water to various water users for various purposes, including but not limited to the Fish and Wildlife Service, North Dakota Game and Fish Department, park boards, irrigators, landowners and

ranchers, for wildlife enhancement, recreation, in-stream flow maintenance, livestock watering, water quality improvement, irrigation, and freshening of the canal and lakes. Monitoring and recording of water supplies, flows, elevations, deliveries, water quality, and other pertinent water operations information is accomplished periodically at numerous sites by the O&M staff at McClusky and Oakes. All new requests for water are directed to Reclamation. Reclamation will issue and administer all water service contracts.

Garrison Diversion will operate SSCP as specified the *LOU for interim Operations of Audubon Lake and COE's Snake Creek Dam and Lake Audubon Reservoir Water Control Manual*. Annual water reports will be submitted to Reclamation.

Water operations on the New Rockford Canal involve maintaining the canal in a dewatered condition as much as practical.

C. Other GDU Facilities

Garrison Diversion is to provide assistance on maintenance of other GDU facilities as requested by Reclamation as part of the OM&R program under this cooperative agreement. Work by Garrison Diversion on other GDU facilities is coordinated through Reclamation. This work is typically smaller projects and requires equipment and personnel expertise available from Garrison Diversion. Working in this manner makes the most efficient and cost effective use of equipment and funds provided by Reclamation. Other GDU facilities which Garrison Diversion provides assistance on include:

- Lonetree Wildlife Management Area
- Jamestown Dam and Reservoir
- Audubon and Arrowwood NWR mitigation features
- Scattered Tracts Wildlife Development Areas
- Tribal Municipal, Rural & Industrial Water Systems

VI. MILESTONES AND COMPLETION DATES

Tasks	Milestones	Completion Date
1	Annual jetting of Jamestown relief wells	April 15
2	Complete 1 st quarter water operations report	April 30
3	Complete maintenance and repairs on equipment, pumping plants and distribution systems in preparation for yearly water distribution	May 1
4	Clean and prepare Chain of Lakes facilities for public use	May 20
5	Reach Lake Audubon summer target elevation	May 25
6	Water up pipe laterals and pumping plants for irrigation season	June 10
7	Complete hay auction	June 15
8	Inspect and maintain Chain of Lakes facilities for public use	June 30
9	Complete spring blading of O&M roads	June 30
10	Sweep bridge decks	June 30
11	Complete 2 nd quarter water samples along the McClusky Canal	June 30
12	Complete water deliveries to FWS WDA's	June 30
13	Complete summer mowing of county and township road ditches	July 15
14	Complete 2 nd quarter water operations report	July 30
15	Complete fall blading of O&M roads	Sept 1
16	Inspect and maintain Chain of Lakes facilities for public use	Sept 20
17	Complete annual noxious weed spraying	Sept 30
18	Annual inspection of bridge abutments	Sept 30
19	Conduct joint annual inspection of New Rockford and McClusky Canals	Sept 30
20	Complete 3 rd quarter water samples along the McClusky Canal	Sept 30
21	Complete fall mowing of county and township road ditches	Oct 1
22	Complete 3 rd quarter water operations report	Oct 30
23	Dewater and winterize pipe laterals and pumping plants	Nov 15
24	Reach Lake Audubon winter target elevation	Nov 15
25	Complete annual vegetation management report	Dec 31
26	Complete 4 th quarter water operations report	Jan 31

VII. PAST EXPENDITURES

Past expenditure for the OM&R program are shown in the following table.

Garrison Diversion Conservancy District OM&R 2021 - 2022		
O&M Expenses	2021 Actuals	2022 Actuals
Salaries and Wages	\$ 1,157,604	\$ 1,034,123
Fringe Benefits	\$ 620,563	\$ 508,648
Travel	\$ 7,104	\$ 5,901
Training	\$ 748	\$ -
Equipment	\$ 462,701	\$ 545,468
Supplies/Materials	\$ 253,756	\$ 203,541
Contractual	\$ 738,563	\$ 245,645
Other	\$ 174,124	\$ 115,306
Indirect Costs	\$ 550,318	\$ 559,948
Total Expenses	\$ 3,965,481	\$ 3,258,580

VIII. PROPOSED OUT YEAR BUDGETS

The proposed budget that reflects the funding needs for the OM&R program from 2023 to 2027 is shown in the following table.

Garrison Diversion Conservancy District OM&R 2023 - 2027					
O&M Expenses	2023 Budget	2024 Budget	2025 Budget	2026 Budget	2027 Budget
Salaries and Wages	\$ 1,158,700	\$ 1,181,874	\$ 1,205,511	\$ 1,565,799	\$ 1,597,115
Fringe Benefits	\$ 534,300	\$ 544,986	\$ 555,886	\$ 743,421	\$ 758,290
Travel	\$ 8,200	\$ 8,364	\$ 8,531	\$ 8,702	\$ 8,876
Training	\$ 1,600	\$ 1,632	\$ 1,665	\$ 1,698	\$ 1,732
Equipment	\$ 644,000	\$ 656,880	\$ 670,018	\$ 683,418	\$ 697,086
Supplies/Materials	\$ 647,500	\$ 660,450	\$ 673,659	\$ 687,132	\$ 700,875
Contractual	\$ 92,900	\$ 94,758	\$ 96,653	\$ 98,586	\$ 100,558
Other	\$ 172,100	\$ 175,542	\$ 179,053	\$ 182,634	\$ 186,287
Indirect Costs	\$ 750,822	\$ 765,422	\$ 780,313	\$ 938,004	\$ 956,347
Total Expenses	\$ 4,010,122	\$ 4,089,908	\$ 4,171,289	\$ 4,909,394	\$ 5,007,165

OMR Contract # 20XX620109

Budget FY 2023

BUDGET ITEM DESCRIPTION	Transferred Works Jan 1 to Dec 31, 2023	Other Project Works Jan 1 to Dec 31, 2023	Total Budget Jan 1 to Dec 31, 2023
SALARIES AND WAGES			
O&M Wages	\$ 804,600.00	\$ 215,800.00	\$ 1,020,400.00
Management Salaries	\$ 100,696.28	\$ 37,603.72	\$ 138,300.00
Total Wages	\$ 905,296.28	\$ 253,403.72	\$ 1,158,700.00
FRINGE BENEFITS			
O&M Benefits	\$ 374,086.68	\$ 100,213.32	\$ 474,300.00
Management Benefits	\$ 44,176.68	\$ 15,823.32	\$ 60,000.00
Total Benefits	\$ 418,263.36	\$ 116,036.64	\$ 534,300.00
TRAVEL			
Travel	\$ 2,247.03	\$ 5,952.97	\$ 8,200.00
TRAINING			
Training	\$ 912.00	\$ 688.00	\$ 1,600.00
EQUIPMENT			
Equipment Maintenance	\$ 173,273.33	\$ 42,726.67	\$ 216,000.00
Equipment Lease	\$ 8,000.00	\$ -	\$ 8,000.00
Equipment Purchase	\$ 180,600.00	\$ 239,400.00	\$ 420,000.00
Total Equipment	\$ 361,873.33	\$ 282,126.67	\$ 644,000.00
SUPPLIES/MATERIALS			
Supplies	\$ 140,164.07	\$ 85,835.93	\$ 226,000.00
Materials	\$ 361,500.00	\$ 60,000.00	\$ 421,500.00
Total Supplies & Materials	\$ 501,664.07	\$ 145,835.93	\$ 647,500.00
CONTRACTUAL SERVICES			
Engineering	\$ 49,740.00	\$ 33,160.00	\$ 82,900.00
Professional Services	\$ -	\$ 10,000.00	\$ 10,000.00
Total Contractual Services	\$ 49,740.00	\$ 43,160.00	\$ 92,900.00
OTHER			
Utilities	\$ 25,986.41	\$ 53,213.59	\$ 79,200.00
Safety	\$ 58,294.70	\$ 19,705.30	\$ 78,000.00
Miscellaneous	\$ 4,058.39	\$ 10,841.61	\$ 14,900.00
Total Other	\$ 88,339.51	\$ 83,760.49	\$ 172,100.00
TOTAL DIRECT COSTS	\$ 2,328,335.57	\$ 930,964.43	\$ 3,259,300.00
INDIRECT COSTS			
TOTAL INDIRECT COSTS-Rate 27.8%	\$ 575,247.49	\$ 175,574.91	\$ 750,822.40
TOTAL PROJECT COSTS	\$ 2,903,583.06	\$ 1,106,539.34	\$ 4,010,122.40

*Transferred works include:

Snake Creek Pumping Plant
McClusky Canal O&M (MM 0-59)
McClusky Canal ROW (MM 0-59)
Carrington HQ non-routine costs

**Other Project works include:

McClusky Canal O&M (MM 59-74)
McClusky Canal ROW (MM 59-74)
McClusky Canal Recreation
New Rockford Canal & Radio Towers
Arrowwood National Wildlife Refuge
Audubon National Wildlife Refuge
Lonetree
Scattered Tracts
Jamestown Dam
Tribal MR&I

OMR Contract # 20XX620109
2023-2027 5-Year Budgets

BUDGET ITEM DESCRIPTION	2023 Budget	2024 Budget	2025 Budget	2026 Budget	2027 Budget
SALARIES AND WAGES					
O&M Wages	\$ 1,020,400.00	\$ 1,040,808.00	\$ 1,061,624.16	\$ 1,419,034.20	\$ 1,447,414.88
Management Salaries	\$ 138,300.00	\$ 141,066.00	\$ 143,887.32	\$ 146,765.07	\$ 149,700.37
Total Wages	\$ 1,158,700.00	\$ 1,181,874.00	\$ 1,205,511.48	\$ 1,565,799.27	\$ 1,597,115.25
FRINGE BENEFITS					
O&M Benefits	\$ 474,300.00	\$ 483,786.00	\$ 493,461.72	\$ 679,748.61	\$ 693,343.59
Management Benefits	\$ 60,000.00	\$ 61,200.00	\$ 62,424.00	\$ 63,672.48	\$ 64,945.93
Total Benefits	\$ 534,300.00	\$ 544,986.00	\$ 555,885.72	\$ 743,421.09	\$ 758,289.52
TRAVEL					
Travel	\$ 8,200.00	\$ 8,364.00	\$ 8,531.28	\$ 8,701.91	\$ 8,875.94
TRAINING					
Training	\$ 1,600.00	\$ 1,632.00	\$ 1,664.64	\$ 1,697.93	\$ 1,731.89
EQUIPMENT					
Equipment Maintenance	\$ 216,000.00	\$ 220,320.00	\$ 224,726.40	\$ 229,220.93	\$ 233,805.35
Equipment Lease	\$ 8,000.00	\$ 8,160.00	\$ 8,323.20	\$ 8,489.66	\$ 8,659.46
Equipment Purchase	\$ 420,000.00	\$ 428,400.00	\$ 436,968.00	\$ 445,707.36	\$ 454,621.51
Total Equipment	\$ 644,000.00	\$ 656,880.00	\$ 670,017.60	\$ 683,417.95	\$ 697,086.31
SUPPLIES/MATERIALS					
Supplies	\$ 226,000.00	\$ 230,520.00	\$ 235,130.40	\$ 239,833.01	\$ 244,629.67
Materials	\$ 421,500.00	\$ 429,930.00	\$ 438,528.60	\$ 447,299.17	\$ 456,245.16
Total Supplies & Materials	\$ 647,500.00	\$ 660,450.00	\$ 673,659.00	\$ 687,132.18	\$ 700,874.82
CONTRACTUAL SERVICES					
Engineering	\$ 82,900.00	\$ 84,558.00	\$ 86,249.16	\$ 87,974.14	\$ 89,733.63
Professional Services	\$ 10,000.00	\$ 10,200.00	\$ 10,404.00	\$ 10,612.08	\$ 10,824.32
Total Contractual Services	\$ 92,900.00	\$ 94,758.00	\$ 96,653.16	\$ 98,586.22	\$ 100,557.95
OTHER					
Utilities	\$ 79,200.00	\$ 80,784.00	\$ 82,399.68	\$ 84,047.67	\$ 85,728.63
Safety	\$ 78,000.00	\$ 79,560.00	\$ 81,151.20	\$ 82,774.22	\$ 84,429.71
Miscellaneous	\$ 14,900.00	\$ 15,198.00	\$ 15,501.96	\$ 15,812.00	\$ 16,128.24
Total Other	\$ 172,100.00	\$ 175,542.00	\$ 179,052.84	\$ 182,633.90	\$ 186,286.57
TOTAL DIRECT COSTS	\$ 3,259,300.00	\$ 3,324,486.00	\$ 3,390,975.72	\$ 3,971,390.45	\$ 4,050,818.26
INDIRECT COSTS					
TOTAL INDIRECT COSTS-Rate 27.8%	\$ 750,822.40	\$ 765,421.85	\$ 780,313.28	\$ 938,004.02	\$ 956,347.10
TOTAL PROJECT COSTS	\$ 4,010,122.40	\$ 4,089,907.85	\$ 4,171,289.00	\$ 4,909,394.47	\$ 5,007,165.36

Asset				
Asset No.		GP FA Record	Description	Physical Location
107	Dozer	Cat Dozer 5	2019 D6 Dozer	McClusky
108	Dozer	Cat Dozer 4	2010 D8 Dozer	McClusky
218	Loader	Wheel Loader 3	821XR Case Loader	McClusky
219	Loader	Cat Loader 6	2014 950K Loader	McClusky
220	Loader	Doosan Loader 1	2017 Doosan DL250-5	McClusky
253	Forklift		99 Hyster 60 Forklift	McClusky
254	Skidsteer	Trackloader 2	2021 Bobcat T770	New Rockford
256	Skidsteer	Track Loader 1	2017 T770 Bobcat	McClusky
257	Skidsteer	Skidsteer 4	2017 T770 Bobcat Track Loader	McClusky
258	Skidsteer	Toolcat 1	2021 Bobcat 5600T Toolcat	Snake Creek
			Attachments-Bucket, Pallet Forks,	
260	Backhoe		2022 Case 580SN WT	New Rockford
333	Excavator	Excavator 7	Bobcat E85	McClusky
334	Excavator	Excavator 4	2014 329L Excavator	McClusky
335	Excavator	Excavator 5	2015 Volvo EC350EL	McClusky
353	Miscellaneous		1986 GMC Boom Water Truck	McClusky
358	Miscellaneous	Truck 2	2011 Peterbilt Vactor	McClusky
409	Dump Truck	Dump Truck 6	2022 Freightliner Truck	McClusky
431	Dump Truck	Dump Truck 1	2007 Sterling Dump Truck	McClusky
432	Dump Truck	Dump Truck 2	2007 Sterling Dump Truck	McClusky
433	Dump Truck	Truck 4	2013 Mack Elliptical Truck	McClusky
434	Dump Truck	Truck 5	2014 Mack Truck	McClusky
435	Dump Truck	Dump Truck 3	2017 Mack Truck	McClusky
436	Dump Truck	Dump Truck 4	2017 Mack Truck	McClusky
437	Dump Truck	Dump Truck 5	2017 Western Star	McClusky
447	Semi	Semi 1	2006 Semi Kenworth	McClusky
448	Semi	Semi 2	2012 Freightliner	McClusky
450	Trailers		Pipe Trailer	McClusky
451	Trailers	under 5000	2021 Aluma 8114SR Utility Trailer	McClusky
452	Trailers	Trailer 3	Towmaster Trailer(4 Axle)	McClusky
453	Trailers	Trailer 8	Fuel/Def Trailer-FST990	McClusky
454	Trailers	Belly Dump Trai 1	Load King 2466 Belly Dump	McClusky
455	Trailers	Belly Dump Trai 2	Load King 2466 Belly Dump	McClusky
456	Trailers		28' Gooseneck-Sold GDCD	McClusky
456	Trailers	Trailer 11	2020 DCT 833WT Gooseneck	McClusky
457	Trailers			
458	Trailers	Trailer 9	2013 Utility Office Trailer	Slide
459	Trailers		Big Tex 20' Car Trailer	McClusky
460	Trailers		2022 Big Tex 14ET-22BK-MR	New Rockford
461	Trailers	Trailer 7	2015 Big Tex Gooseneck	McClusky
462	Trailers	Trailer 1	Paint Cargo Trailer	McClusky
463	Trailers		1994 Semi-Van Trailer	McClusky
464	Trailers		ATV Trailer	McClusky
466	Trailers	Trailer 2-2	Pintle Hook 28' Trailer	McClusky
467	Trailers		Enclosed Drill Rig Trailer	McClusky
468	Trailers	Trailer 4	Enclosed Trailer(job)	New Rockford

Asset No.		GP FA Record	Description	Physical Location
469	Trailers	Trailer 5	Enclosed Trailer(job)	McClusky
470	Trailers		20' Car Trailer	New Rockford
471	Trailers	Trailer 12	2009 Heavy Haul	McClusky
472	Trailers		Flatbed Trailers	New Rockford
	Miscellaneous		Coats Truck Tire Machine	McClusky
	Miscellaneous		Tire Balancer	McClusky
	Miscellaneous		Hofman Tire Changer	McClusky
	Miscellaneous		Blue Office Trailer	McClusky
475	Trailers		Orange Fuel Trailer-NR	New Rockford
476	Trailers		Pipe Trailer	McClusky
477	Trailers		Pipe Trailer	McClusky
478	Small Special		Spiffy Biff	McClusky
479	Small Special		Compactor for Excavator	McClusky
480	Small Special		Power Creed	McClusky
481	Small Special		Chain Saw	McClusky
482	Small Special		Wacker Compactor	McClusky
483	Small Special		Flat Plate Compactor	McClusky
484	Small Special		Concrete Saw	McClusky
485	Small Special		Chop Saw	McClusky
486	Small Special		Weed Eater	McClusky
487	Small Special		Push Mower	McClusky
488	Small Special		Pressure Washer	McClusky
489	Small Special		80" Brushcat	McClusky
653	Mower	Mower 12	2020 Ferris Mower	New Rockford
490	Small Special		Post Hole Digger	McClusky
491	Small Special		Pallet Forks	McClusky
492	Small Special		Grapple Forks	McClusky
493	Small Special		Trencher	McClusky
494	Small Special		36" Power Troll	McClusky
495	Small Special		Soft Cut Saw	McClusky
496	Small Special	Air Compressor 2	2011 185 Air Compressor	McClusky
497	Small Special		Laser Plane	McClusky
498	Small Special		Laser Plane	McClusky
499	Small Special		Broom for Skidsteer	McClusky
501	Small Special		Rock Picker	McClusky
502	Small Special		12' Ford Disc	McClusky
503	Small Special		Shop Metal Cutting Saw	McClusky
504	Small Special		Cement Mixesr	McClusky
506	Miscellaneous	Pickup 25	2013 Spray Truck	McClusky
507	Small Special		Ice Auger	McClusky
508	Small Special		Ice Auger	Scott
509	Small Special	Iron Worker 1	Iron Worker	McClusky
510	Small Special		Bobcat Snowblower Attach	McClusky
511	Small Special		Marco Sandblaster	McClusky
512	Small Special		Schmidt Sandblaster	McClusky
513	Small Special		Bomag Jumping Jack Compactor	McClusky

Asset No.	GP FA Record	Description	Physical Location
514	Small Special	Sheeps Foot Roller	McClusky
515	Small Special	Lightplant 1	McClusky
516	Small Special	Bob Installer	McClusky
517	Small Special	Aaladin Pressure Washer	McClusky
518	Small Special	Bobcat Snowblower Attach	McClusky
519	Small Special	Grizzly	McClusky
521	Small Special	Seeder Transferred from LT	McClusky
522	Major Slide	Birchland Straw Crimper	Slide
523	Major Slide	Haybuster 2660 Bale Processor	Slide
524	Major Slide	Bale Spear	Slide
525	Small Special	Fence Winder	McClusky
564	Blade	Motor Grader 1	160MA 3 Motor Grader
655	Mower	Mower 9	Ferris Mower
657	Mower	Mower 11	Ferris Mower
707	Mower		Rouse 9 Foot 3 PT Mower
661	Tractor	Tractor 6	2011 Case 130 Puma
663	Tractor	Tractor 8	2019 Case 185 Puma
665	Tractor		5610 Ford Tractor
666	Tractor	Kiota Tractor 1	2017 Kioti PX 1053
667	Tractor	Tractor 7	Challenger 485TD
670	Tractor		5610 Ford Tractor
674	Specialty		1974 Delphi Boat/Trailer
675	Specialty		Monarch Boat/Trailer
676	Specialty		Pontoon
677	Specialty	Tree Spade 1	2011 Tree Spade
679	Specialty		Small Boat Trailer
680	Specialty		Portable Shed On Trailer
695	ATV	UTV CANAM-1	2021 CanAm
696	ATV	UTV Ploraris 1	2015 Polaris 6x6
698	ATV	CAN AM Defender	2023 Can Am Defender
701	698+B140:G140		Indy Widetrack Polaris
702	Specialty		1993 3pt Snowblower
704	Specialty	Rock Screen 2	2001 Nordberg Rock Screen
706	Sprayers	Sprayer 4	3Pt Sprayer for 5130
708	Mower		235 JD Riding Mower
710	Mower	Mower 5	930D Grasshopper
712	Mower	Mower 3	2002 Schulte Batwing Mower
717	Mower		Jerry Mower-Troybilt
718	Mower	Mower 6	FX1800 Schulte Batwing
720	Specialty		Haybuster Drill/Grain Drill
722	Sprayers		Ranger Road Sprayer
723	Sprayers		ATV Sprayer
724	Sprayers	Sprayer 2	2009 Pickup Mounted
725	Sprayers	Sprayer 3	2009 Pickup Mounted
726	Specialty		Drill Rig for F450 Ford
727	Sprayers		ATV Sprayer

Asset No.	GP FA Record	Description	Physical Location
728	Specialty	Gas Drill	McClusky
751	Pumps	10" JD Pump-1990 Cornell	McClusky
752	Pumps		
753	Pumps	3" Honda Pump-WT3ox	McClusky
754	Pumps	Pump 3 6" Godwin Dri-Pump	McClusky
755	Pumps	2" Honda Transfer-Water Truck	McClusky
757	Pumps	Pump 4 16" Crissafulli	McClusky
758	Pumps	2" Briggs/Stratton-Shop Water Tank	McClusky
759	Pumps	1992 GX160 2"-Spray Water Truck	McClusky
760	Pumps	3" Pump	New Rockford
761	Pumps	Pump 5 12" Cat 3126 Motor	McClusky
761	Pumps	Pump 5 Cornell Pump 10RB-RP-F18D8	McClusky
	Pumps	Pump 5 Model 3126 Industrial Motor	McClusky
762	Pumps	Pump 6 6" Cornell Pump Trailer	McClusky
763	Pumps	Pump 7 16' Crissafulli Pump, Self Propelled	McClusky
777	Pumps	2" Trash Pump-GX160	McClusky
778	Pumps	Black Honda Pump-6.0	McClusky
779	Pumps	Red Honda Pump-Vac Truck	McClusky
782	Pumps	8HP Honda Wacker Pump	??
801	Pumps	Hearte Butte Pump	McClusky
803	Specialty	Honda 6500 Generator	McClusky
806	Specialty	GPS/Sonar	McClusky
807	Specialty	Honda Air Compressor	McClusky
808	Specialty	A/C Reclaimer	McClusky
810	Specialty	Honda Suitcase Generator	McClusky
830	Pickups/SUV	Pickup 33 2018 Dodge Tradesman-Ryan	Carrington
832	Pickups/SUV	Pickup 37 2020 Ford F350 4WD	McClusky
833	Pickups/SUV	Vehicle-21 2020 Ford Expedition	Carrington
834	Pickups/SUV	Pickup 38 2021 F250	Snake Creek
839	Pickups/SUV	Pickup 30 2017 Dodge Ram Dually	McClusky
841	Pickups/SUV	Pickup 29 2017 Chevy Flatbed	McClusky
850	Service Trucks	Truck 6 2017 Freightliner Service	McClusky
851	Service Trucks	Enpac Unit-850 Service Truck	McClusky
852	Service Trucks	Pickup 28 2017 Dodge Ram	McClusky
862	Pickups/SUV	Pickup 21 2008 Chevy K2500	Snake Creek
863	Pickups/SUV	Pickup 23?? 2023 Chevy Silverado	McClusky
864	Pickups/SUV	Pickup 35 2019 Ford F350	McClusky
865	Service Trucks	Pickup 19 2008 F350 Electrical	New Rockford
868	Pickups/SUV	Pickup 31 2018 F250 Pickup-Scott's	Carrington
869	Pickups/SUV	Pickup 32 2018 Dodge Tradesman	New Rockford
873	Pickups/SUV	Vehicle 11 2010 Ford Expedition	McClusky
899	Pickups/SUV	Pickup 23 2010 Ford 1/2 Ton	McClusky
901	Major Slide	9620R JD #1-1 JD Tractor #1	Slide
902	Major Slide	9620R JD #2-1 JD Tractor #2	Slide
903	Major Slide	Case IH 60 #2-1 Case Tractor#1	Slide
904	Major Slide	Case IH 620 #1-1 Case Tractor#2	Slide

Asset				
Asset No.		GP FA Record	Description	Physical Location
911	Major Slide	JD Scraper#1-1	JD Scraper #1	Slide
912	Major Slide	JD Scraper #3-1	JD Scraper #3	Slide
913	Major Slide	Ktec Scraper -1	Ktec Scraper#1	Slide
914	Major Slide	Ktec Scraper -3	Ktec Scraper#3	Slide
921	Major Slide	JD Scraper #2-1	JD Scraper #2	Slide
922	Major Slide	JD Scraper #4-1	JD Scraper#4	Slide
923	Major Slide	Ktec Scraper -2	Ktec Scraper#2	Slide
924	Major Slide	Ktec Scraper -4	Ktec Scraper#4	Slide
930	Major Slide	Excavator-6	349F Excavator	Slide
940	Major Slide	Water Truck-1	Freightliner Water Truck	Slide
	Major Slide		Leicha Machine Control	Slide
	Pickups/SUV		1999 Ford F450	Lonetree
	Small Special	Cat Winch 1	Winch for D8	McClusky
	Small Special	Tool Carrier 1	Integrated Tool Carrier	McClusky
	Small Special	Air Compressor 1	Diamon Air Compressor	McClusky