



COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

Water Project Loan Program

Projects financed by the Water Project Loan Program must align with the goals identified in Colorado's Water Plan and its measurable objectives.

Application Type	
☐ Prequalification (Attach 3 years of financial statements) ☒ Loan Approval (Attach Loan Feasibility Study)	
Agency/Company Information	
Company / Borrower Name: <u>Town of Dove Creek</u>	
Authorized Agent & Title: <u>Brett D. Martin, Mayor</u>	
Address: <u>P.O. Box 508, Dove Creek, CO 81324</u>	
Phone: <u>(970) 677-2255</u>	Email: <u>towndc@centurytel.net</u>
Organization Type: ☐ Ditch Co. ☐ District ☒ Municipality ☐ other: _____	
Incorporated? ☒ YES ☐ NO	
County: <u>Dolores County</u>	Number of Shares/Taps: <u>506 taps, 184 Bulk Water Act</u>
Water District: <u>Town of Dove Creek</u>	Avg. Water Diverted/Yr _____ acre-feet
Number of Shareholders/Customers Served: <u>690</u>	Current Assessment per Share \$ _____ (Ditch Co)
Federal ID Number: <u>84-6008863</u>	Average monthly water bill \$ <u>24.00</u> (Municipality)
Contact Information	
Project Representative: <u>Dagan Chadd</u>	
Phone: <u>(970) 769-8863</u>	Email: <u>dagan.chadd@gmail.com</u>
Engineer: <u>Jones & Demille Engineering, Inc.</u>	
Phone: <u>(435) 587-9100</u>	Email: <u>tim.h@jonesanddemille.com</u>
Attorney: <u>Michael F. Green P.C.</u>	
Phone: <u>(970) 565-6362</u>	Email: <u>mikegreenattorney@gmail.com</u>
Project Information	
Project Name: <u>Reservoir No. 2 Dove Creek Water Treatment Facility</u>	
Brief Description of Project: (Attach separate sheets if needed)	
<u>Please see attachment</u>	
Project Start Date(s) Design: <u>Dec. 1, 2021</u> Construction: <u>April 1, 2022</u>	
General Location: (Attach Map of Area)	
Project Costs - Round to the nearest thousand	
Estimated Engineering Costs: <u>295,000</u>	Estimated Construction Costs: <u>1,260,000</u>
Other Costs (Describe Above):	Estimated Total Project Costs: <u>1,555,000</u>
Requested Loan Amount: <u>800,000</u>	Requested Loan Term (10, 20, or 30 years): <u>30</u> Years
Signature	
<u>Brett D. Martin</u> Signature / Title	Return to: Finance Section Attn: Matt Stearns 1313 Sherman St #718 Denver, CO 80203 Ph. 303/866.3441 e-mail: matthew.stearns@state.co.us
<u>9/30/21</u> Date	

Water Project Loan Program – Project Information

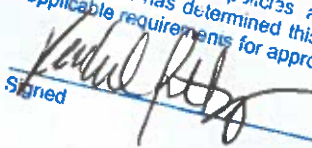
Brief Description of Project Attachment:

The Town of Dove Creek is a governmental entity servicing over 450 households with drinking water. Another 184 bulk water users heavily rely on the Town of Dove Creek for their household use outside of the town's serviceable area. The Town of Dove Creek receives its water treatment source water from Dolores Water Conservancy District through an irrigation canal. This source water is generally available from May through October. Due to current extreme drought conditions, the Town of Dove Creek is facing the devastating situation of losing their water treatment source water in July. Current storage capacity allows for municipal water through the winter months until source water becomes available the following year. Reality in 2021 deems Dolores Water Conservancy District can no longer keep their canal charged and unfortunately this is the only source option available at this time.

DOVE CREEK TOWN LOAN FEASIBILITY STUDY

September 30, 2021

Project #: 2107-087

FEASIBILITY STUDY APPROVAL
Pursuant to Colorado Revised Statutes 37-60-121 & 122, and
in accordance with policies adopted by the Board, the
CWCB staff has determined this Feasibility Study meets all
applicable requirements for approval.

Signed _____ Date 1/11/2022

Prepared by:



**Jones & DeMille
Engineering**

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1. BACKGROUND

1.1. PURPOSE

The Town of Dove Creek (Town), the project sponsor, is pursuing \$800,000 of the total project cost of \$1,560,000 to fund the construction of a new raw water reservoir. The project is intended to provide drought resiliency to the culinary water system and provide a means to access purchased water rights. Current and recent drought conditions have caused low storage volume in McPhee Reservoir which has reduce the operational period of the supply canal. This study intends to describe the alternatives considered to address this water shortage issue, the rationale behind the selected alternative, and to meet the requirement of the Colorado Water Conservation Board (CWCB) Loan Feasibility Study.

The Dove Creek Canal is the only current operational source for the culinary water system. The canal transports water from McPhee Reservoir to the Town's reservoir and other agricultural users. Dove Creek Canal begins at the end of the pump discharge line at Great Cut Pumping Plant and extends northwest 32.8 miles to Dove Creek. Due to continued decreased water levels in McPhee Reservoir caused by the drought, the Dove Creek Canal has been shutting off water to agricultural users earlier than typical. At the time the water intended for agriculture is no longer available Dove Creek is the only active connection. Once the Dove Creek's existing storage reservoir is full the canal is shutoff. This has become a problem as this date has been earlier and earlier during the drought period and extend the time the Town must rely only on storage. Dove Creek has rights to more water from the reservoir, but the Dove Creek canal cannot turn on and off easily to only supply the town. Dove Creek has purchased water rights from Dolores Water Conservancy District but are not able to access this water while the canal is not operational.

Typically, the canal is active starting in mid-April and flows until mid-October during which time the Town maintains full reservoir capacity. 2019 and 2020 saw some decrease in the period the canal was active, but the largest impact has occurred this year, 2021, as the canal was only operational from early May to mid-July. During the period the canal is off, the Town relies on their existing 95 acre-feet (ac-ft) raw water storage reservoir to supply the system. If Dove Creek had the means to store more water, the Dove Creek canal could remain open longer and continue to supply the town and reduce the period the town must rely purely on storage.

1.1.1. WATER BALANCE ON EXISTING STORAGE

To evaluate the impacts of extended drought conditions on the water system, a water balance on the existing storage reservoir was performed. Refer to section 1.1.2 for more details.

1.1.1.1. INFLOWS

Inflows to the storage reservoir during periods when the canal is inactive consist only of precipitation. Precipitation was estimated using rainfall data obtained from the Western Regional Climate Center

(WRCC)¹ for the monthly climate summary from the Cedar Point water station. These values were then multiplied by the storage reservoir area of 6.1 acres. These monthly values are shown in Table 1.

Table 1. Average Precipitation, Averages by Month

Month	Average Precipitation (inches)
Jan	1.37
Feb	1.23
Mar	1.16
Apr	1.02
May	0.89
Jun	0.42
Jul	1.21
Aug	1.46
Sep	1.56
Oct	1.86
Nov	1.31
Dec	1.27
Total	14.76

1.1.1.2. OUTFLOWS

Evaporation data was obtained from the WRCC² for the monthly average pan evaporation summary from the Grand Junction 6 ESE water stations. The monthly evaporation (inches) was multiplied by a typical pan coefficient (0.75) to reflect field evaporation.

Table 2. Average Evaporation, Averages by Month

Month	Average Evaporation (inches)
Jan	0.00
Feb	0.00
Mar	0.00
Apr	4.62
May	6.50
Jun	8.24
Jul	8.41
Aug	7.17
Sep	5.24
Oct	3.26

¹ <https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?ut7260>

² https://wrcc.dri.edu/Climate/comp_table_show.php?type=pan_evap_avg

Nov	1.46
Dec	0.00
Total	44.90

Seepage losses also contribute to the losses from the reservoir. By comparing the estimated precipitation, historic inflows from the canal, and evaporation, the losses to seepage appear to be minimal and were not included in the outflows although they could be exacerbating the lack of storage further.

The largest contributor to outflow is the water system demand. Data for the last five years was used to determine an average monthly demand. Table 3 shows average monthly demand on the system from the past five years as measured at the system water treatment plant.

Table 3. Average Monthly Water System Demand

Month	Average Monthly Demand (ac-ft)
Jan	7.0
Feb	6.2
Mar	6.5
Apr	8.9
May	10.8
Jun	14.8
Jul	14.8
Aug	14.1
Sep	11.2
Oct	8.8
Nov	8.4
Dec	6.9
Total	118.4

1.1.2. RESULTS OF EXISTING WATER BALANCE

Table 4 shows the inflows and outflows from the reservoir during a specified period which the canal may be empty. As shown in these tables if the canal flow is cut short as is the case in 2021 the storage reservoir will not be able to supply the system with sufficient water to meet demand. As the Town is aware of this current impending emergency, they recently connected to the Montezuma water system where they can purchase water if necessary to sustain themselves until the canal is back online. This connection is discussed in further detail in Section 4. It should be noted that averages were used for the precipitation values and evaporation but would be decreased and increased respectively during drought years.

Table 4. Required Storage during Periods when Canal Is Off

Canal On	Canal Off	Water Demand During off period (ac-ft)	No. of Months w/o Inflow (ac-ft)	Evaporation (ac-ft)	Precipitation (ac-ft)	Total Required Storage (ac-ft)
15-May	15-Jul	90.8	10	14.8	6.8	112.42
15-Apr	15-Jul	77.2	9	11.0	6.0	88.15
15-May	15-Aug	76.4	9	10.9	6.1	87.25
15-Mar	15-Jul	73.3	8	10.8	5.7	84.15
15-Apr	15-Aug	66.5	8	8.1	5.6	74.60
15-May	15-Sep	63.7	8	7.7	5.3	71.45
15-Mar	15-Aug	58.9	7	6.9	5.0	65.73
15-Apr	15-Sep	53.9	7	4.9	4.8	58.81
15-May	15-Oct	53.7	7	5.6	4.4	59.30
15-Mar	15-Sep	46.2	6	3.7	4.3	49.94
15-Apr	15-Oct	43.9	6	2.7	4.0	46.65

As shown in the results of the water balance calculations, current conditions (early shut-off of the canal) could jeopardize the raw water storage reservoir volume, which is 95 ac-ft.

1.2. STUDY AREA DESCRIPTION

The planning area includes the Town limits of Dove Creek, Colorado. The Town lies approximately 9 miles east of the Colorado/Utah state border. The Town's storage reservoir and water tanks lie on the edge of the Town boundaries. The project map showing the location, topographical, imagery, existing pipe layout, legal and natural boundaries, and other information can be found in Appendix A.

1.2.1. POPULATION

According to the 2020 United States Census, Dove Creek, Colorado had a population of 635 residents. Based on the population increase over the past 50 years, the Town has experienced an average growth rate of 0.45%. Census data shows large fluctuations in the population totals from year to year ranging from 2.9% to -2.47%. Due to this large fluctuation in growth a rate of 1% was conservatively used to try and capture some of this fluctuation that could occur over the 20–40-year design period. Figure 1 shows the growth graphically. Assuming that this growth occurs, the population of Dove Creek, Colorado will be 945 in year 2060.

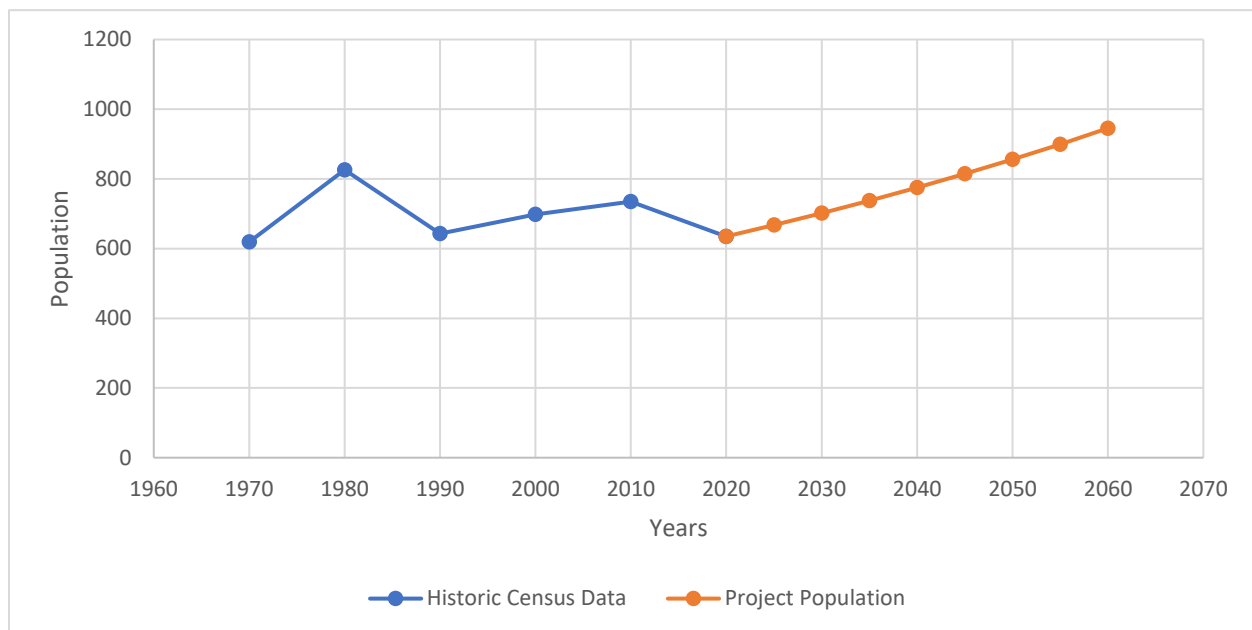


Figure 1. Population Projections of Dove Creek, Colorado

1.3. PREVIOUS STUDIES

An engineering report was completed in 2018 to review alternatives to rehabilitation an existing pump station on the Dolores River. The report explored several alternatives to rehab the pumps and transmission line but did not include the expansion of the existing storage reservoir. Following sections of this report use the selected alternative from that report as one of the proposed alternatives. The alternative included replacing the existing pumps in the lower station, constructing a second pump station as a booster station, and replacing the old steel water line with a HDPE pipeline. This is discussed in further depth in Section 4.

2. PROJECT SPONSOR

The Town of Dove Creek is the public municipality that is sponsoring this project. The Town of Dove Creek was incorporated in 1939 and is the county seat for Dolores County, Colorado. The Town's water system supports approximately 509 connections including residential, commercial, industrial, and institutional users. Revenue to operate and maintain the water system is primarily generated through water service charges.

Dove Creek Town water supply facilities include a 95 ac-ft raw water storage reservoir supplied by the Dove Creek Canal, a water treatment facility, two culinary water tanks, two underground water wells that are currently unusable, a decommissioned pump station with an above grade tank, and transmission line from the Dolores River.

3. WATER RIGHTS

3.1. WATER AVAILABILITY

Currently water is supplied to the raw water reservoir from a canal controlled by the Dolores Water Conservancy District. The Town has a water note from the Dolores Water Conservancy District totaling 280 ac-ft dedicated from the canal. Currently, due to the drought and recent early canal shutoff dates, the Town has been unable to use its full water amount. During shutoff month they currently have no way of accessing this water. This is not due to lack of availability but due to the infeasibility of emptying and filling the canal more than once a year. It is clear there is no shortage of water rights, but the issue lies in the Town's lack of storage or having other water sources available.

The Town historically used a pumping station that pulled water from a 30,000-gallon water tank that is supplied from a well and infiltration basin located on the Dolores River. When the Dove Creek Canal became available the Town no longer used the pumping station as the canal provided a much easier and cost-effective source. Due to this lack of use, over the last 20 years the transmission line and pumps have fallen into disrepair. Figure 2 shows the historic pumps. These pumps send water through a steel transmission line up out of the canyon and to the raw water storage reservoir. During operation the pipeline had frequent breaks in the line and was costly to keep in operation.



Figure 2. Existing Pump Need at Dolores River

Due to the canal shutting off early, an interconnection with the Montezuma Water Conservancy District system was established this year on the feed line from the canal. This allows the Town to purchase water to fill the raw water storage reservoir when the canal shutoff period is extensive. Although this does provide a second source of water the Town is only allowed to divert from 28,000 up to 172,800 gallons per day. Where the Town is averaging around 200,000 gallons per day of water use, this source helps meet the water demand but is not a final solution. The Town does not have a water right for this purchased water.

3.2. WATER SUPPLY DEMANDS

The existing annual water demand over the past five years has ranged from 104 ac-ft to 140 ac-ft with an average of 118.4 ac-ft. Using the 1% growth rate the future demand for the 20-to-40-year design period is shown in Table 5. Accounting for the evaporative and seepage losses in the raw water storage reservoir an additional 25 ac-ft was added to show the actual needed water supply during a given year.

Table 5. Existing and Future System Annual Demands

Year->	2021	2040	2050	2060
Water Usage (ac-ft)	118.4	144.5	159.6	176.3
Water Usage + Losses	143.4	169.5	184.6	201.3

As indicated previously the water rights from the canal, which are 280 ac-ft, appear to be sufficient for the design period but is limited due to the lack of available water and the Town's current ability to store sufficient water for shutoff periods.

4. PROJECT DESCRIPTION – ANALYSIS OF ALTERNATIVES & SELECTED ALTERNATIVE

This section describes three alternatives that were evaluated to meet the current deficiency during sustained drought conditions and to meet future demands. First “no action”, second to construct a second storage reservoir adjacent to the existing reservoir, and third to replace the pump station and transmission line.

4.1. DESCRIPTION OF ALTERNATIVES CONSIDERED

4.1.1. ALTERNATIVE 1 – NO ACTION

This alternative would include continuing operation as is. As mentioned previously, the Town has recently connected to the Montezuma Water Conservancy District water system and has begun purchasing water. After making the connection they were informed that they would only be allowed to take between 28,000 to 172,800 gallons per day. As the Town uses approximately 200,000 gallons per day, this amount will help to stave off the raw water storage reservoir from draining in drought conditions but is costly. The cost to buy raw water from Montezuma Water Conservancy District is \$11,073 per ac-ft, which is considerably more than the Town spends now at \$107 per ac-ft. At the end of the design period, if no action is taken, the town could be paying upwards of \$870,000 a year to purchase additional water. Therefore, if no action is taken the Town will run low of water in winter months. This is alarming as winter use is minimal and consist largely of indoor use which is used primarily for human consumption. This option is not feasible and irresponsible for the Town at this time.

4.1.2. ALTERNATIVE 2 – SECOND STORAGE RESERVOIR

As described in the water balance in Section 1.1.2, the issue with the existing canal source is the period of time that the canal is shutoff forcing the Town to rely on storage at the raw water storage reservoir.

To account for a design period of 30 years, demands when the canal is on, and precipitation gains and the evaporative/seepage losses, a water balance was again performed to determine the storage required for the Town to be able to maintain their water supply.

The water balance was completed for a several year period to determine the storage volume remaining when the canal was turned on again starting with the reservoir full at the end of July. It was assumed the canal was active starting in May and would run until the reservoir was full. The surface area was doubled to account for additional precipitation inflows and evaporative losses. It was found that with an additional 100 ac-ft would allow for 50% capacity to remain in the reservoir once the canal was active again. This residual storage helps account for years of low precipitation and high evaporation than average years. This additional volume also provides one year of demands and losses if the canal was inoperable for a one-year period.

Table 6. Water Balance 2050 Demand Period

	Outflows			Inflows			Storage ac-ft
	Demand ac-ft	Evaporation in ac-ft	Canal ac-ft	Precipitation in ac-ft			
Aug	19.05	7.17	7.29	0.00	1.46	1.48	170.15
Sep	15.03	5.24	5.32	0.00	1.56	1.59	151.38
Oct	11.93	3.26	3.31	0.00	1.86	1.89	138.03
Nov	11.30	1.46	1.49	0.00	1.31	1.33	126.58
Dec	9.34	0.00	0.00	0.00	1.27	1.29	118.53
Jan	9.47	0.00	0.00	0.00	1.37	1.39	110.45
Feb	8.34	0.00	0.00	0.00	1.23	1.25	103.36
Mar	8.78	0.00	0.00	0.00	1.16	1.18	95.76
Apr	11.97	4.62	4.70	0.00	1.02	1.04	80.13
May	14.49	6.50	6.61	54.80	0.89	0.90	114.73
Jun	19.95	8.24	8.38	53.03	0.42	0.43	139.87
Jul	19.93	8.41	8.55	54.80	1.21	1.23	167.42
Aug	19.05	7.17	7.29	52.43	1.46	1.48	195.00
Sep	15.03	5.24	5.32	0.00	1.56	1.59	176.23
Oct	11.93	3.26	3.31	0.00	1.86	1.89	162.89
Nov	11.30	1.46	1.49	0.00	1.31	1.33	151.43
Dec	9.34	0.00	0.00	0.00	1.27	1.29	143.38
Jan	9.47	0.00	0.00	0.00	1.37	1.39	135.30
Feb	8.34	0.00	0.00	0.00	1.23	1.25	128.22
Mar	8.78	0.00	0.00	0.00	1.16	1.18	120.62
Apr	11.97	4.62	4.70	0.00	1.02	1.04	104.98
May	14.49	6.50	6.61	54.80	0.89	0.90	139.59
Jun	19.95	8.24	8.38	53.03	0.42	0.43	164.72
Jul	19.93	8.41	8.55	54.80	1.21	1.23	192.27

Aug	19.05	7.17	7.29	27.58	1.46	1.48	195.00
Sep	15.03	5.24	5.32	0.00	1.56	1.59	176.23
Oct	11.93	3.26	3.31	0.00	1.86	1.89	162.89
Nov	11.30	1.46	1.49	0.00	1.31	1.33	151.43
Dec	9.34	0.00	0.00	0.00	1.27	1.29	143.38
Jan	9.47	0.00	0.00	0.00	1.37	1.39	135.30
Feb	8.34	0.00	0.00	0.00	1.23	1.25	128.22
Mar	8.78	0.00	0.00	0.00	1.16	1.18	120.62
Apr	11.97	4.62	4.70	0.00	1.02	1.04	104.98
May	14.49	6.50	6.61	54.80	0.89	0.90	139.59
Jun	19.95	8.24	8.38	53.03	0.42	0.43	164.72
Jul	19.93	8.41	8.55	54.80	1.21	1.23	192.27
Aug	19.05	7.17	7.29	27.58	1.46	1.48	195.00
Sep	15.03	5.24	5.32	0.00	1.56	1.59	176.23
Oct	11.93	3.26	3.31	0.00	1.86	1.89	162.89
Nov	11.30	1.46	1.49	0.00	1.31	1.33	151.43
Dec	9.34	0.00	0.00	0.00	1.27	1.29	143.38

The Town currently owns property to the north of the existing reservoir as shown in Figure 3. The new pond would be constructed with similar attributes to the existing and include a geomembrane or HDPE liner to allow the assumption of negligible seepage losses to be maintained.



Figure 3. Drone Photo of Existing Reservoir Showing Proposed Area of Secondary Reservoir

4.1.3. ALTERNATIVE 3 – REHABILITATION OF EXISTING PUMP STATION

This alternative includes the installation of new pumps at the existing pump station and adds a booster pump station mid pipeline. Both stations would include two duty pumps and one spare pump as per Colorado State standards. The purpose of a booster pump station is to reduce the operating pressure in the transmission line and therefore reduce the pressure rating needed for the pipeline. This allows for less expensive HDPE pipe rather than steel pipe to be used and reduces operational cost. The pressure rating of the pipe would vary depending on the location in relation to the pumps but would remain as HDPE pipe.

Appendix A shows the proposed alignment of the transmission line. This alignment follows the existing pipeline to remain in existing easements.

4.2. ANALYSIS OF ALTERNATIVES

4.2.1. OUTPUTS/YIELDS

Alternative 1 would require the Town to continue to pull as much water from the canal as possible during its availability. Significant improvements in drought conditions would be needed for this to again become feasible. Historically during a good year, when the canal is active from early spring to early fall, they have been able to receive around 146 ac-ft from the canal. With 30 years of growth, even during good years, the Town will not be able to pull sufficient water from the canal to meet the Town's needs.

Alternative 2 would capitalize on the Town's water right from the canal and be able to store this water in their own reservoir. This alternative is expected to allow the Town to receive 190.21 ac-ft each year from the canal at the end of the design period.

Alternative 3 would utilize an existing water right to the Dolores River. The Town has a total water right of 1.08 cfs (approximately 485 gpm). The water right includes both the well and the infiltration basin by the river. The pump station would be sized to provide the full 485 gpm to the raw water storage reservoir to provide supply to the town. This alternative could deliver up to 782 ac-ft/year, but it is anticipated that this alternative would only be used to bridge the gap in the winter months due to the power cost to move the water where the canal can meet demand during the summer months. In a drought year over the 30-year design period this would equal 67.1 ac-ft as indicated in Table 7.

Table 7. Required Storage Water Balance with Existing Reservoir and Pump Station

Canal On	Canal Off	Water Demand 2050 (ac-ft)	No. of Months w/o Inflow from Canal (ac-ft)	Evaporation (ac-ft)	Precipitation (ac-ft)	Additional Inflow Needed (ac-ft)
15-May	15- Jul	159.6	10	22.8	7.5	67.1

4.2.2. COSTS

Table 8 shows the capital cost and estimated operation and maintenance (O&M) costs for each alternative. Detailed cost estimates are included in Appendix C. O&M cost only include those associated with the alternative and not the entire system. A life cycle present worth analysis was performed using a planning period of 30 years. The analysis included capital cost, and O&M costs, which were all brought back to present value. A Real Federal Discount Rate (OMB Circular S-94 Appendix C) of 0.6% and a planning period of 30 years were used in the analysis. A 3% per year increase in O&M cost was assumed to account for inflation and increase wages.

Table 8. Present Cost Analysis

Alt. No.	Capital Cost (\$)	Annual O&M (\$)	O&M Present Worth (\$)	Total Present Worth (\$)	Annual Cost per Ac-ft of Water Delivered (\$/ac-ft)
1	Infeasible	Infeasible	Infeasible	Infeasible	Infeasible
2	\$1,560,000	\$9,955	\$405,615.6	\$2,159,740	\$20,348
3	\$2,127,500	\$55,564	\$2,263,991	\$4,391,380	\$65,445

4.2.3. IMPACTS

Alternative 2 will have very minimal affects to the existing infrastructure. One impact will be to relocate the existing transmission line from the pump station that is currently beneath the proposed reservoir area. This will relocate the pipeline to allow for the pipeline to connect to both the existing and new raw water storage reservoirs. This will be the only impact to the existing manmade infrastructure. The adjacent parcel, which will be used for the new reservoir and that is owned by the Town, will be evaluated through environmental surveys, but it is anticipated that there will be no impact.

Alternative 3 will impact the existing facility. Where the infrastructure to be replaced is not in service the impact will be minimal. Environmental surveys will be completed along the transmission line alignment and for the proposed new pump station location.

4.2.4. ECONOMIC ANALYSIS AND FEASIBILITY

No additional economic analysis was performed.

4.2.5. INSTITUTIONAL REQUIREMENTS

Coordination needs to be conducted with the State Division of Water Resources and State Water Quality Control Division for each alternative considered.

4.2.6. RESULTS AND DECISION

As the output/yields, impacts, and institutional requirements for all the alternatives were similar the determining factor for the selected alternative falls to the cost. Alternative 2 is least expensive to

construct and to operate and maintain of the two-action alternatives. Also, this alternative showed the best cost per ac-ft of water delivered. Therefore, Alternative 2 is the selected alternative.

4.3. SELECTED ALTERNATIVE

4.3.1. PROJECT DESCRIPTION

The selected alternative and proposal are to increase the amount of water storage in the Dove Creek Town Reservoir to have a 185 ac-ft capacity. By increasing the water storage to this amount, we ensure future growth is accounted for and potential for serious drought conditions in the future.

4.3.2. MAP/CONCEPTUAL PLAN

See Appendix D for the conceptual plan of the proposed improvements.

4.3.3. CONCEPTUAL DESIGN FEATURES

The design of the proposed raw water storage reservoir will follow the State of Colorado Rules and Regulations for Dam Safety and Dam Construction from the Department of Natural Resources 2020. Based on the 11 feet of jurisdictional height of the proposed reservoir, the capacity to impound 100 ac-ft, and impacts to downstream infrastructure due to a breach, the reservoir will be classified as a significant hazard dam and will comply with the associated regulations. This classification meets the current classification of the existing dam.

Generally, the dam will be equipped with a spillway sized to meet the critical rainfall event or 0.1% Annual Exceedance Probability storm plus the maximum input for 400 gpm from the canal. Where the dam will have embankments constructed above grade around the entire perimeter of the impounded water, the dam will only see an increase in inflow from rainfall that falls directly on the 6.5-acre open surface. This will be evaluated in final design but is anticipated to be minimal. Five feet of freeboard was planned in the conceptual plan to account for the spillway head and for wave run up. This will be re-evaluated as part of final design.

Other infrastructure will include a transfer pipe and gate valves interconnecting the new reservoir with the existing reservoir, 11 to 16 feet tall embankments with a recessed depth of 3 to 8 feet, HDPE or geomembrane liner with riprap cover, realigning the pipeline from the canal to connect to both reservoirs, a new outlet from the second pond to the water treatment plant to allow for one reservoir to be taken offline if necessary.

4.3.4. FIELD INVESTIGATIONS

Site visits have been performed to verify the location of existing infrastructure. Additional survey data will need to be collected for the final design. Geotechnical investigations will also need to be performed.

Due to the existing reservoirs placement, it is anticipated that no geological issue will be found. Environmental surveys will also be completed.

4.3.5. RIGHT-OF-WAY/LAND

The proposed parcel is located north of the existing raw water storage reservoir in Dove Creek. The Town purchased this property last year with the intent to construction this reservoir. An existing easement for the pipeline from the pump station is the only known existing easement. This pipeline will be relocated for the construction of the reservoir.

4.4. IMPLEMENTATION SCHEDULE

The construction of the project is anticipated to take approximately 255 days from approval of the funding to completion of construction of the project. See Figure 4 for the proposed timeline.

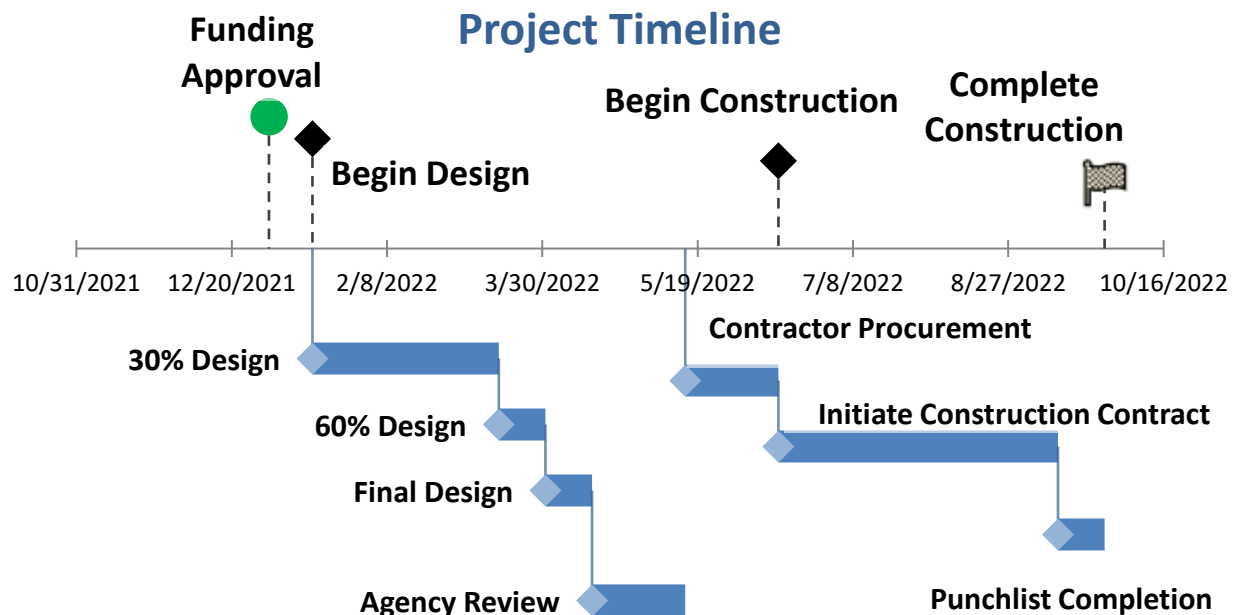


Figure 4. Anticipated Project Timeline

4.5. INSTITUTIONAL FEASIBILITY

Coordination will be conducted with the State Division of Water Resources: Dam Safety and State Water Quality Control Division for engineering plan approval. Coordination with any environmental agency will also be completed pending findings from preformed environmental surveys. Where the area is a previously disturbed agricultural field it is not anticipated that any reviews from other agencies will be necessary.

5. FINANCIAL FEASIBILITY ANALYSIS

Total project cost, amount of loan requested, term and interest rate sought, financing sources, revenue and expenditure projections, loan repayment sources, financial impacts on the already existing debt the Town has, TABOR (Taxpayer's Bill of Rights) issues, collateral, and sponsor creditworthiness are reviewed in the following section.

5.1. FINANCIAL STATUS OF ANY EXISTING FACILITIES

5.1.1. LOAN AMOUNT

The Town of Dove Creek is asking for a total loan amount of \$800,000 of the \$1,560,000 to cover the expenses to design and build the new reservoir. It was estimated that construction of the reservoir with cost \$1,046,700, and an additional \$209,400 for the 20% contingency. Engineering, survey, geotechnical engineering, and construction management costs total \$294,300. The Town requests a \$800,000 loan term of 30-years with a 1.55% interest rate. According to the 2020 census data Dove Creek has a Median Household Income (MHI) of \$51,591 where the state average is \$77,127. Since the Town has a MHI 67% of the average for the state the sponsor is applying for the lowest interest rate for a municipality of 1.55%.

5.1.2. FINANCING SOURCES

CWCB is the main funding contributor anticipated for the project. A second source that has been considered but not yet pursued is the United States Department of Agriculture (USDA) Emergency Community Water Assistance Grant (ECWAG). It is unclear as to the amount the Town could be awarded from the USDA at this time.

The Town Board is working towards the restructure of the water rates that have been in place for many years. Increasing the rates will assist in budgeting for the loan terms as well as help to cover the O&M costs.

5.1.3. REVENUE AND EXPENDITURE PROJECTIONS

Appendix E shows the Schedule of Revenue and Expenditures showing annual cash flow for repayment of the proposed loan. In addition to the proposed loan the Town is still working to pay off on an existing loan for some purchased water rights and was include in the breakdown. They currently have 24 years of annual payments remaining. The breakdown shows that for revenues to meet expenditures a significant increase of 36.1% from their current annual revenue will be needed at the time of the loan. Then a 0.7% to 2.7% annual increase in revenue during the life of the loan. Where most of the revenue is generated from water sales, an updated water rate structure is needed. The Town is aware of this and is currently pursue updating its water rate structure. The Town currently has sufficient savings in their water fund to make payment while an update water rate structure is evaluated.

5.1.4. LOAN REPAYMENT SOURCES

The main source of loan repayment will come from the water sales. The Town is preparing to raise the water rates in the near future to accommodate the anticipated CWCB loan obligation. A second source as stated above will be the USDA ECWAG fund. An unsuccessful application for the ECWAG funds will not deter the project but only put the repayment squarely on the Town until other grant opportunities present themselves.

5.1.5. TABOR (TAXPAYER'S BILL OF RIGHTS) ISSUES

The Town of Dove Creek is considered a qualified enterprise and therefore TABOR is not applicable.

5.1.6. COLLATERAL

The Town of Dove Creek will not be presenting CWCB with any collateral.

5.1.7. SPONSOR CREDITWORTHINESS

Table 9 shows the current water rate structure. Copies of the three most recent audit reports of financial statements are included in Appendix F.

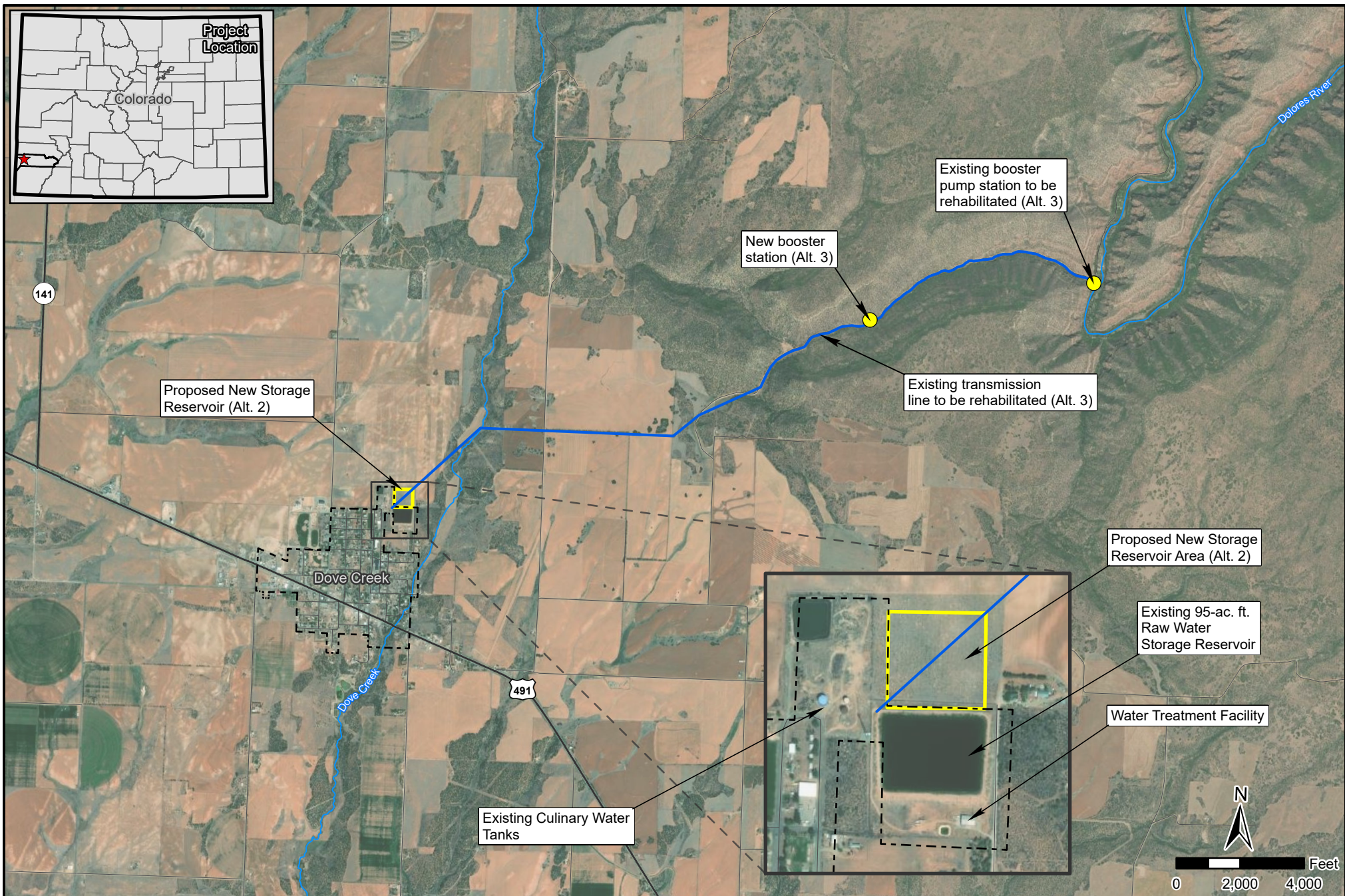
Table 9. Rate Structure

Quantity (US Gallons)	Price	Usage Type
0-5000	\$24.00	Residential Within City Limits
0-5000	\$36.00	Residential Outside City Limits
0-5000	\$27.00	Commercial Within City Limits
0-5000	\$40.50	Commercial Outside City Limits
Per 1,000 Gallon Overage	\$2.50	Overage Charge
Per 1,000 Gallon Overage	\$8.50	Commercial and Domestic Water Dock

6. CONCLUSIONS

In conclusion the Town of Dove Creek has a need to increase water storage to maintain their water supply demands throughout the months when the canal is off. The selected alternative will provide this additional storage and allow the Town to capitalize on existing water rights and the canal when available.

APPENDIX A. MAP OVERVIEW



—	Water Pipeline (digitized)
- - -	Community Boundary

Jones & DeMille Engineering

- Shaping the Quality of Life -

800.748.5275 www.jonesanddemille.com

Dove Creek Town		Dolores County
Project Overview Map		Scale: 1" = 4,000'
Map Name: H:\JD\Proj\2107-087\Design\GIS\Projects\Dove Creek\Dove Creek.aprx - Exh Dove Creek Project Funding Application 8.5x11L		1
Project Number: 2107-087	Drawn by: JEM 09-21	
Last Edit: 09/13/2021		

APPENDIX B. WATER RIGHTS AND WATER NOTE PAYMENT SCHEDULE

Structure Name:DOVE CR DOLORES R SUPPLY (7100529) Permit:2280-F-R

Structure Type:WellWater Source:GROUNDWATER: DOLORES RIVER

▼ Location

Div7

WD71

CountyDOLORES

Total Map Points1

D
0

ap
tel
18
je

Type	Dist N/S	Dist E/W	Q10	Q40	Q160	Section	Township	Range	PM	UTM x	UTM y	Latitude	Longitude	Location Accuracy
Point of Diversion			SE	SW	SW	23	41.0 N	18.0 W	N	163033.9	4189869.7	37.794079	-108.826608	GPS

▼ Water Right Net Amounts

Adjudication Date	Appropriation Date	Priority Admin No	Order No
6/11/1968	2/16/1951	36936.00000	0

Priority No	Net Absolute	Net Condional	Net APEX Absolute
	0.8700	0.2100	0.0000

Net APEX Conditional	Decreed Units	Seasonal Limits
0.0000	CFS	No

Decreed Use(s) Irrigation, Municipal, Industrial, Domestic

▼ Associated Water Right Transactions

	Case Number	Max Decreed Rate (CFS)	Total Volumetric Limit (AF)	Adjudication Type	Decree Status	Transfer Type	Association Type	Decreed Use(s)
View (/cdss/WaterRights/Transactions/231083)	W0600	0.31		Supplemental	Conditional Made Absolute			248
View (/cdss/WaterRights/Transactions/231084)	CA2220	0.39		Supplemental	Absolute			1248
View (/cdss/WaterRights/Transactions/231085)	CA2220	0.69		Supplemental	Conditional			1248
View (/cdss/WaterRights/Transactions/231086)	W0600	0.17		Supplemental	Conditional Made Absolute			248

DOLORES PROJECT
Development Block Notice No. 3
Town of Dove Creek
Municipal and Industrial Water

Dolores Water Conservancy District
Payment Schedule for Sub-Blocks 3-1, 3-2, 3-3, 3-4, 3-5
(Annuity Due Formula)

Sub-Block	Year	Acre-Feet	Obligation	Annual Pymt
3-1	1991	70	\$122,630	\$7,495
3-2	1992	50	\$87,593	\$5,350
3-3	1993	115	\$201,464	\$12,296
3-4	1994	35	\$61,315	\$3,740
3-5	1997	10	\$17,519	\$1,067
Total:		280	\$490,521	\$29,948

Calendar Year	Payment Year	Total Payment	Payment To Interest	Payment To Principal	Balance	Plant In Service
1986						
1987	1					
1988	2					
1989	3					
1990	4				104,883	419,532
1991	5	6,329		6,329	173,471	419,532
1992	6	10,850	5,975	4,875	340,904	419,532
1993	7	21,248	10,222	11,026	382,319	419,532
1994	8	24,413	20,001	4,412	377,907	419,532
1995	9	24,413	22,913	1,500	376,407	419,532
1996	10	24,413	22,821	1,592	389,798	419,532
1997	11	25,317	22,724	2,593	465,374	497,701
1998	12	30,426	28,216	2,210	463,164	497,701
1999	13	30,426	28,081	2,345	460,819	497,701
2000	14	30,426	27,939	2,487	458,332	497,701
2001	15	30,426	27,788	2,638	448,514	490,521
2002	16	29,948	27,193	2,755	445,759	490,521
2003	17	29,948	27,027	2,921	442,838	490,521
2004	18	29,948	26,849	3,099	439,739	490,521
2005	19	29,948	26,662	3,286	436,453	490,521
2006	20	29,948	26,461	3,487	432,966	490,521
2007	21	29,948	26,250	3,698	429,268	490,521
2008	22	29,948	26,026	3,922	425,346	490,521
2009	23	29,948	25,789	4,159	421,187	490,521

DOLORES PROJECT
Development Block Notice No. 3
Town of Dove Creek
Municipal and Industrial Water
Dolores Water Conservancy District
Payment Schedule for Sub-Blocks 3-1, 3-2, 3-3, 3-4, 3-5
(Annuity Due Formula)

<u>Sub-Block</u>	<u>Year</u>	<u>Acre-Feet</u>	<u>Obligation</u>	<u>Annual Pymt</u>
3-1	1991	70	\$122,630	\$7,495
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3-5	1997	10	\$17,519	\$1,067
Total:		280	\$490,521	\$29,948

<u>Calendar Year</u>	<u>Payment Year</u>	<u>Total Payment</u>	<u>Payment To Interest</u>	<u>Payment To Principal</u>	<u>Balance</u>	<u>Plant In Service</u>
2010	24	29,948	25,536	4,412	416,775	490,521
2011	25	29,948	25,269	4,679	412,096	490,521
2012	26	29,948	24,986	4,962	407,134	490,521
2013	27	29,948	24,684	5,264	401,870	490,521
2014	28	29,948	24,366	5,582	396,288	490,521
2015	29	29,948	24,027	5,921	390,367	490,521
2016	30	29,948	23,668	6,280	384,087	490,521
2017	31	29,948	23,287	6,661	377,426	490,521
2018	32	29,948	22,883	7,065	370,361	490,521
2019	33	29,948	22,455	7,493	362,868	490,521
2020	34	29,948	22,002	7,946	354,922	490,521
2021	35	29,948	21,518	8,430	346,492	490,521
2022	36	29,948	21,008	8,940	337,552	490,521
2023	37	29,948	20,465	9,483	328,069	490,521
2024	38	29,948	19,892	10,056	318,013	490,521
2025	39	29,948	19,281	10,667	307,346	490,521
2026	40	29,948	18,635	11,313	296,033	490,521
2027	41	29,948	17,949	11,999	284,034	490,521
2028	42	29,948	17,221	12,727	271,307	490,521
2029	43	29,948	16,449	13,499	257,808	490,521
2030	44	29,948	15,631	14,317	243,491	490,521
2031	45	29,948	14,764	15,184	228,307	490,521
2032	46	29,948	13,841	16,107	212,200	490,521
2033	47	29,948	12,866	17,082	195,118	490,521

DOLORES PROJECT
Development Block Notice No. 3
Town of Dove Creek
Municipal and Industrial Water

Dolores Water Conservancy District
Payment Schedule for Sub-Blocks 3-1, 3-2, 3-3, 3-4, 3-5
(Annuity Due Formula)

<u>Sub-Block</u>	<u>Year</u>	<u>Acre-Feet</u>	<u>Obligation</u>	<u>Annual Pymt</u>
3-1	1991	70	\$122,630	\$7,495
3-2	1992	50	\$87,593	\$5,350
3-3	1993	115	\$201,464	\$12,296
3-4	1994	35	\$61,315	\$3,740
3-5	1997	10	\$17,519	\$1,067
Total:		280	\$490,521	\$29,948

<u>Calendar Year</u>	<u>Payment Year</u>	<u>Total Payment</u>	<u>Payment To Interest</u>	<u>Payment To Principal</u>	<u>Balance</u>	<u>Plant In Service</u>
2034	48	29,948	11,829	18,119	176,999	490,521
2035	49	29,948	10,731	19,217	157,782	490,521
2036	50	29,948	9,567	20,381	137,401	490,521
2037	51	29,948	8,330	21,618	115,783	490,521
2038	52	29,948	7,020	22,928	92,855	490,521
2039	53	29,948	5,630	24,318	68,537	490,521
2040	54	30,007	4,155	25,852	42,685	490,521
2041	55	22,416	2,588	19,828	22,857	490,521
2042	56	17,111	1,386	15,725	7,132	490,521
2043	57	4,759	432	4,327	2,805	490,521
2044	58	1,067	170	897	1,908	490,521
2045	59	1,067	116	951	957	490,521
2046	60	1,015	58	957		490,521
TOTAL:		1,474,153	983,632	490,521		

APPENDIX C. ENGINEER'S OPINION OF PROBABLE COST

Town of Dove Creek
Storage Reservoir
September 29, 2021
By: T. Halper

*Estimates are preliminary and may be refined with preliminary design efforts.



PRELIMINARY OPINION OF PROBABLE COST

	ITEM	QUANTITY	UNIT	UNIT PRICE	COST
CONSTRUCTION					
1	Mobilization	1	LUMP	\$ 100,000.00	\$ 100,000.00
2	Clearing & Grubbing	10.5	ACRE	\$ 2,000.00	\$ 21,000.00
3	Scarify & Recompact (Assuming native material is suitable)	10.5	ACRE	\$ 2,000.00	\$ 21,000.00
4	Excavation	60000	CU. YD.	\$ 5.00	\$ 300,000.00
5	Over-Excavation, keyway & foundation prep	9800	CU. YD.	\$ 12.00	\$ 117,600.00
6	Compacted Embankment	51000	CU. YD.	\$ 7.00	\$ 357,000.00
7	Untreated Base Course	350	CU. YD.	\$ 35.00	\$ 12,250.00
8	Misc. Construction Material (Pipe, fittings, valves, controls...)	1	LUMP	\$ 50,000.00	\$ 50,000.00
9	Fencing	2740	LF	\$ 20.00	\$ 54,800.00
10	Seeding	2	ACRE	\$ 1,500.00	\$ 3,000.00
11	Construction Staking	1	LUMP	\$ 10,000.00	\$ 10,000.00
					\$ 1,046,700.00
12	Construction Contingency (20%)	1	LUMP	\$ 209,400.00	\$ 209,400.00
TOTAL PROBABLE CONSTRUCTION COST					\$ 1,256,100.00
MISCELLANEOUS EXPENSES					
1	Site Design, Plan Sheets, & Specifications	1	LUMP	\$ 76,000.00	\$ 76,000.00
2	State Filing Fee	1	LUMP	\$ 9,300.00	\$ 9,300.00
3	Topographic Survey	1	LUMP	\$ 9,000.00	\$ 9,000.00
4	Geotechnical Report (Drilling, sampling, analysis, etc.)	1	LUMP	\$ 100,000.00	\$ 100,000.00
5	Construction Eng., CM & Materials Testing, QA (3 months const.)	1	LUMP	\$ 100,000.00	\$ 100,000.00
TOTAL PROBABLE DESIGN COST					\$ 294,300.00
TOTAL PROBABLE PROJECT COST					\$ 1,560,000.00

In providing estimates of probable construction cost, the Client understands that the Consultant has no control over the cost or availability of labor, equipment or materials, or over market conditions or the Contractor's method of pricing, and that the Consultant's estimates of probable construction costs are made on the basis of the Consultant's professional judgment and experience. The Consultant makes no warranty, express or implied, that the bids or the negotiated cost of the Work will not vary from the Consultant's estimate of probable construction cost.

Town of Dove Creek
Pump Stations
September 29, 2021
By: T. Halper



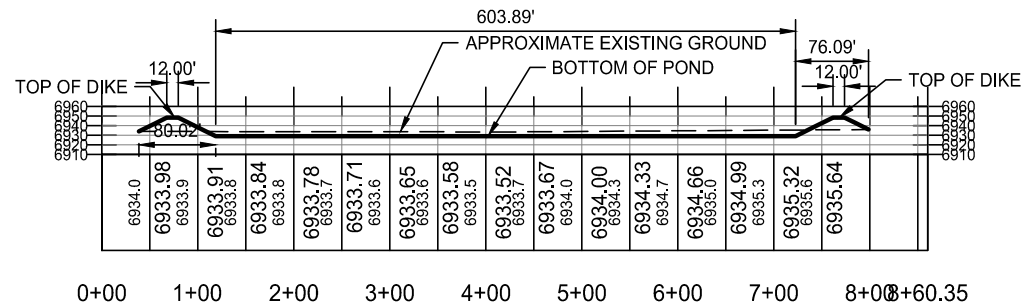
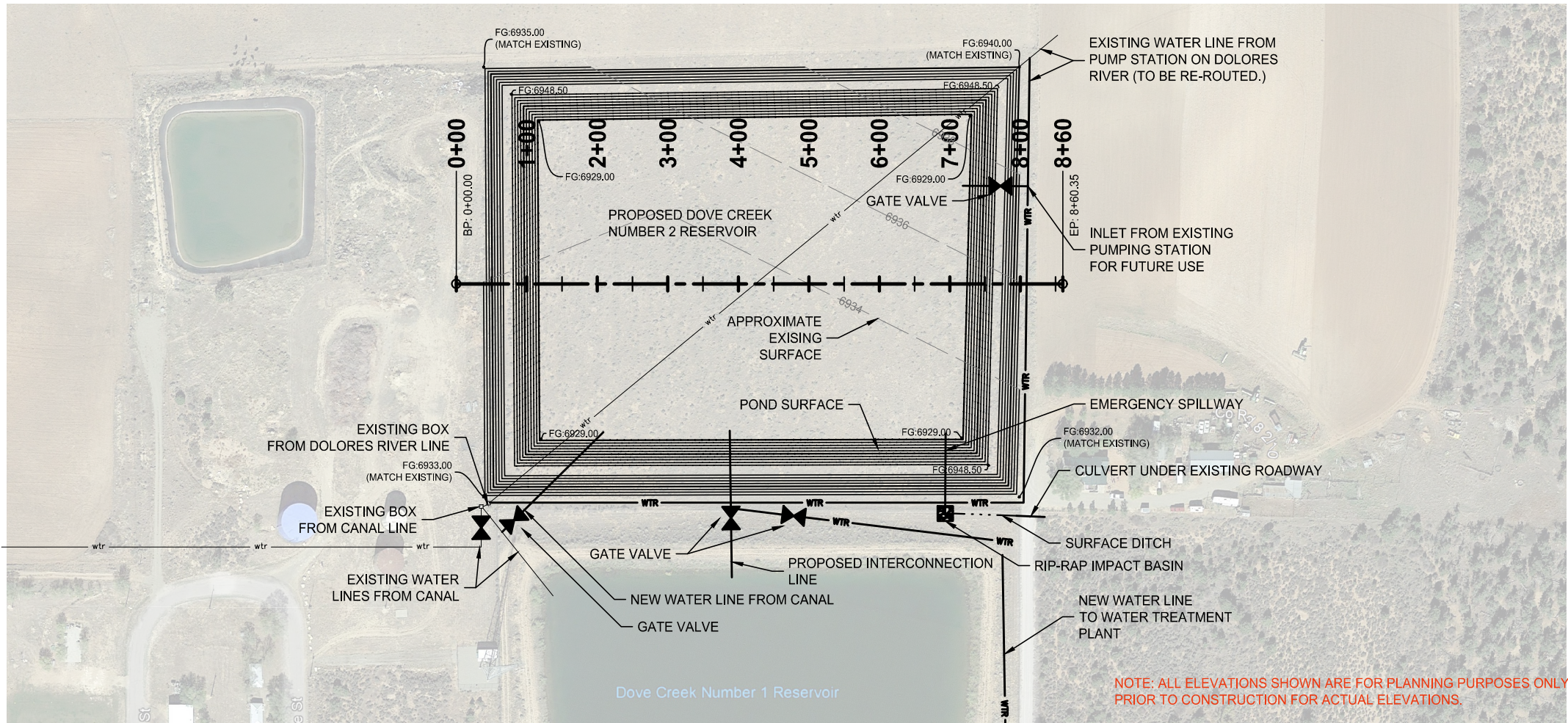
PRELIMINARY OPINION OF PROBABLE COST

	ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1	Mobilization	L.S.	1	\$ 137,000.00	\$ 137,000.00
2	Retrofit Existing Pump Station w/Pump Skid	L.S.	1	\$ 175,000.00	\$ 175,000.00
3	Power Connection For New Booster Pump	L.S.	1	\$ 50,000.00	\$ 50,000.00
4	New Booster Pump Station	L.S.	1	\$ 150,000.00	\$ 150,000.00
5	Pump Station Controls	L.S.	1	\$ 30,000.00	\$ 30,000.00
6	8" Water Pipeline Pressure Rated 250 PSI	L.F.	5,150	\$ 34.00	\$ 175,100.00
7	8" Water Pipeline Pressure Rated 160 PSI	L.F.	6,300	\$ 28.00	\$ 176,400.00
8	8" Water Pipeline Pressure Rated 125 PSI	L.F.	13,760	\$ 25.00	\$ 344,000.00
9	Gate Valves and Drains	Each	15	\$ 4,000.00	\$ 60,000.00
10	Combination Air/Vac	Each	15	\$ 2,500.00	\$ 37,500.00
11	Pipe Bedding	C.Y.	10,000	\$ 6.00	\$ 60,000.00
12	Rock Excavation (0 to 4 FT)	L.F.	9,500	\$ 12.00	\$ 114,000.00
TOTAL PROBABLE CONSTRUCTION COST					\$ 1,509,000.00
ENGINEERING AND LEGAL PROFESSIONAL SERVICES					
1	Preconstruction Engineering	Lump	1	\$ 90,500.00	\$ 90,500.00
2	Environmental Services and Permitting	Lump	1	\$ 15,000.00	\$ 15,000.00
3	Construction Administration	Hourly	1	\$ 150,000.00	\$ 150,000.00
4	Project Closeout, O&M Docs, CRDs	Lump	1	\$ 8,000.00	\$ 8,000.00
Engineering and Legal Professional Services Subtotal					\$ 263,500.00
	Project Contingency	Lump	1	\$ 355,000.00	\$ 355,000.00

TOTAL PROBABLE PROJECT COST \$ 2,127,500.00

APPENDIX D. CONCEPTUAL PLAN

F
E
D
C
B
A



PROPOSED DOVE CREEK NUMBER 2 RESERVOIR



DOVE CREEK TOWN
LOAN FEASIBILITY STUDY
CONCEPTUAL PLAN
SUBMITTAL: REVIEW - NOT FOR CONSTRUCTION
PROJECT NUMBER: 2107-087

DOLORES
COUNTY
SHEET NO. EX-01

Jones & DeMille Engineering, Inc.
CIVIL & STRUCTURAL ENGINEERING - SURVEYING
GIS - ENVIRONMENTAL - MATERIALS TESTING
1.800.748.5275 www.jonesanddemille.com

APPROVAL
RECOMM.
APPROVED

PROJECT DESIGN ENGINEER
DATE

QUALITY MANAGEMENT REVIEW
DATE

SCALE: NTS

DWG NAME: H:\JD\Proj\2107-087\dwg\Pond Surface.dwg

REVISIONS
NO. DATE

REMARKS

UPDATED: 9/14/2021
PLOTTED: 9/29/2021

APPENDIX E. SCHEDULE OF REVENUE AND EXPENSES

<u>Assumptions</u>		Financing				
Total Project Cost	\$1,600,000	<u>Source</u>	<u>Principal</u>	<u>Interest</u>	<u>Years</u>	<u>Payment</u>
Grant Amount Award	\$800,000	CWCB Loan	\$800,000	1.55%	30	\$33,548
O&M	\$240,000	Bonds	\$346,492			\$29,948
Revenue	\$225,400					
Inflation on O&M	3.0%	TOWN OF DOVE CREEK - WATER FUND SCHEDULE OF REVENUE and EXPENDITURES				
Interest on Reserves	5.0%					

Annual Revenue				Annual Expenditures						
Operation, Loan and Bond										
Year of Operation	Total Revenue	Percent Increase in Water Rates	O&M	Reserve Funds Annual	Accum.	Payments on CWCB Loan	Payments Existing Loan	Interest on Reserve Funds	Total Expenditures	
2022	1	\$306,683	36.1%	\$240,000	\$3,355	\$3,355	\$33,548	\$29,948	\$168	\$306,683
2023		313,715	2.3%	247,200	3,355	6,710	33,548	29,948	335	313,715
2024		320,964	2.3%	254,616	3,355	10,064	33,548	29,948	503	320,964
2025		328,434	2.3%	262,254	3,355	13,419	33,548	29,948	671	328,434
2026	5	336,134	2.3%	270,122	3,355	16,774	33,548	29,948	839	336,134
2027		344,070	2.4%	278,226	3,355	20,129	33,548	29,948	1,006	344,070
2028		352,249	2.4%	286,573	3,355	23,484	33,548	29,948	1,174	352,249
2029		360,679	2.4%	295,170	3,355	26,838	33,548	29,948	1,342	360,679
2030		369,366	2.4%	304,025	3,355	30,193	33,548	29,948	1,510	369,366
2031	10	378,319	2.4%	313,146	3,355	33,548	33,548	29,948	1,677	378,319
2032		384,358	1.6%	322,540		33,548	33,548	29,948	1,677	384,358
2033		394,035	2.5%	332,216		33,548	33,548	29,948	1,677	394,035
2034		404,001	2.5%	342,183		33,548	33,548	29,948	1,677	404,001
2035		414,267	2.5%	352,448		33,548	33,548	29,948	1,677	414,267
2036	15	424,840	2.6%	363,022		33,548	33,548	29,948	1,677	424,840
2037		435,731	2.6%	373,912		33,548	33,548	29,948	1,677	435,731
2038		446,948	2.6%	385,130		33,548	33,548	29,948	1,677	446,948
2039		458,502	2.6%	396,683		33,548	33,548	29,948	1,677	458,502
2040		470,461	2.6%	408,584		33,548	33,548	30,007	1,677	470,461
2041	20	475,128	1.0%	420,841		33,548	33,548	22,416	1,677	475,128
2042		482,448	1.5%	433,467		33,548	33,548	17,111	1,677	482,448
2043		483,100	0.1%	446,471		33,548	33,548	4,759	1,677	483,100
2044		492,802	2.0%	459,865		33,548	33,548	1,067	1,677	492,802
2045		506,598	2.8%	473,661		33,548	33,548	1,067	1,677	506,598
2046	25	520,756	2.8%	487,871		33,548	33,548	1,015	1,677	520,756
2047		534,377	2.6%	502,507		33,548	33,548		1,677	534,377
2048		549,452	2.8%	517,582		33,548	33,548		1,677	549,452
2049		564,980	2.8%	533,109		33,548	33,548		1,677	564,980
2050		580,973	2.8%	549,103		33,548	33,548		1,677	580,973
2051	30	597,446	2.8%	565,576		33,548	33,548		1,677	597,446
Totals		\$13,031,818		\$11,418,100		\$1,006,438		\$42,774		\$13,031,818

APPENDIX F. FINANCIAL SUMMARIES

TOWN OF DOVE CREEK, COLORADO
Statement of Revenues, Expenditures, and Changes in Net Position - Budget and Actual
Proprietary Fund Type - Enterprise Fund
Water Fund

For the Year Ended December 31, 2018

	Budgeted Amounts		(Non GAAP Basis) Actual	Variance Favorable
	Original	Final	Amounts	(Unfavorable)
Operating Revenues				
Water sales	\$ 180,000	\$ 180,000	\$ 189,047	\$ 9,047
Water sales-Celsius	14,050	14,050	14,050	-
Water dock	9,000	9,000	8,954	(46)
Miscellaneous revenue	400	400	1,183	783
Total operating revenues	203,450	203,450	213,234	9,784
Operating Expenses				
Administration				
Salaries	5,000	5,000		
Payroll tax	1,500	1,500		5,000
Employee benefits	800	800		1,500
Office	4,000	4,000	4,464	800
Miscellaneous	1,000	1,000	834	(464)
Total administration	12,300	12,300	5,298	7,002
Source of supply				
Fuel and power	6,000	6,000	1,410	4,590
Repairs and maintenance	10,000	10,000		10,000
Water	35,000	35,000	29,948	5,052
O&M charges	8,000	8,000	5,606	2,394
Water dock	1,500	1,500		1,500
Total source of supply	60,500	60,500	36,964	23,536
Water treatment				
Salaries	30,000	30,000	30,507	(507)
Payroll tax	3,000	3,000	2,411	589
Employee benefits	36,000	36,000	46,326	(10,326)
Outside services	45,000	45,000	67,988	(22,988)
Operating supplies	15,000	15,000	9,303	5,697
Insurance	7,000	7,000	4,000	3,000
Repairs and maintenance	5,500	5,500	3,858	1,642
Miscellaneous	3,000	3,000	1,144	1,856
Total water treatment	144,500	144,500	165,537	(21,037)
Transmission and distribution				
Chemicals	17,000	17,000	19,387	(2,387)
Fuel and power	12,000	12,000	7,546	4,454
Outside services	2,000	2,000	331	1,669
Insurance	6,000	6,000	3,000	3,000
Total transmission and distribution	37,000	37,000	30,264	6,736

Continued

TOWN OF DOVE CREEK, COLORADO
Statement of Revenues, Expenditures, and Changes in Net Position - Budget and Actual
Proprietary Fund Type - Enterprise Fund
Water Fund

For the Year Ended December 31, 2018

	Budgeted Amounts		(Non GAAP Basis) Actual Amounts	Variance Favorable (Unfavorable)
	Original	Final		
Capital outlay	\$ 150,000	\$ 150,000	\$ -	\$ 150,000
Total Operating Expenses	404,300	404,300	238,063	166,237
Operating income (loss)	(200,850)	(200,850)	(24,829)	176,021
Non-Operating Revenue (Expenses)				
Interest revenue	50	50	315	265
Total Non-Operating Revenue	50	50	315	265
Change in net assets non GAAP basis	(200,800)	(200,800)	(24,514)	176,286
Add capital outlay				-
Less depreciation expense			(40,539)	(40,539)
Change in net position	(200,800)	(200,800)	(65,053)	135,747
Net position beginning of the year	592,809	592,809	1,157,633	564,824
Net position end of the year	\$ 392,009	\$ 392,009	\$ 1,092,580	\$ 700,571

TOWN OF DOVE CREEK, COLORADO

Schedule of Revenues, Expenditures and Changes in Fund Balance - Budget and Actual
General Fund
For the Year Ended December 31, 2018

	Budgeted Amounts		Actual	Variance Favorable (Unfavorable)
	Original	Final		
Revenues				
Taxes				
Property	\$ 123,186	\$ 123,186	\$ 123,934	\$ 748
Specific ownership	4,000	4,000	5,106	1,106
General sales and use	100,000	100,000	159,225	59,225
Motor vehicle registration	1,800	1,800	2,362	562
Franchise	35,000	35,000	42,398	7,398
Road and Bridge Fee	6,000	6,000	7,512	1,512
Total taxes	269,986	269,986	340,537	70,551
Licenses and permits				
Business licenses and permits	500	500	673	173
Nonbusiness licenses and permits	500	500	720	220
Total licenses and permits	1,000	1,000	1,393	393
Intergovernmental revenues				
Mineral leasing	1,000	1,000	147,606	146,606
Severance	4,000	4,000	9,405	5,405
Highway users	25,000	25,000	37,516	12,516
Tobacco product	700	700	758	58
Lottery funds	4,500	4,500	7,800	3,300
Grant			47,099	47,099
Total intergovernmental revenues	35,200	35,200	250,184	164,527
Charges for services - recreation	4,000	4,000	8,111	4,111
Fines and forfeitures	8,000	8,000	11,700	3,700
Miscellaneous revenues - recreation	5,000	5,000	5,146	146
Miscellaneous revenues	5,000	5,000	11,260	6,260
Total revenues	328,186	328,186	628,331	249,688

Continued

TOWN OF DOVE CREEK, COLORADO

Schedule of Revenues, Expenditures and Changes in Fund Balance - Budget and Actual
General Fund
For the Year Ended December 31, 2018

Expenditures	Budgeted Amounts		Actual	Variance Favorable (Unfavorable)
	Original	Final		
General government				
Legislative	\$ 22,000	\$ 22,000	\$ 12,913	\$ 9,087
Judicial	5,000	5,000	3,963	1,037
Elections	2,000	2,000	750	1,250
Administrative				
Salary	124,000	124,000	120,616	3,384
Payroll taxes	11,000	11,000	9,244	1,756
Employee benefits	55,000	55,000	34,937	20,063
Office	16,000	16,000	16,756	(756)
Printing and publications	3,000	3,000	1,485	1,515
Utilities and telephone	6,500	6,500	3,832	2,668
Legal	7,000	7,000	14,124	(7,124)
Auditing	7,500	7,500	6,800	700
Outside services	4,000	4,000	1,290	2,710
Insurance	22,000	22,000	19,128	2,872
Miscellaneous	5,000	5,000	37,584	(32,584)
Treasurer's fees	5,500	5,500	2,495	3,005
Total general government	295,500	295,500	285,917	9,583
Public safety				
Sherriff contract	130,000	130,000	97,606	32,394
Jail	1,500	1,500		1,500
Supplies	7,500	7,500	1,106	6,394
Animal control	15,000	15,000	11,243	3,757
Miscellaneous	2,500	2,500	38	2,462
Total public safety	156,500	156,500	109,993	46,507
Public works				
General labor	60,000	60,000	26,149	33,851
Payroll tax	4,000	4,000	2,067	1,933
Maintenance of condition	100,000	100,000	38,268	61,732
Snow and ice removal	4,000	4,000	461	3,539
Highway equipment	40,000	40,000	5,269	34,731
Repairs	10,000	10,000	3,273	6,727
Street lights	20,000	20,000	17,412	2,588
Total public works	238,000	238,000	92,899	145,101

Continued

TOWN OF DOVE CREEK, COLORADO

Schedule of Revenues, Expenditures and Changes in Fund Balance - Budget and Actual
General Fund
For the Year Ended December 31, 2018

	Budgeted Amounts		Actual	Variance Favorable (Unfavorable)
	Original	Final		
Culture and recreation				
Contract services	\$ 32,000	\$ 32,000	\$ 27,760	\$ 4,240
Operating supplies	3,500	3,500	2,854	646
Community Center and Park	9,000	9,000	410	8,590
Utilities and telephone	8,000	8,000	7,073	927
Insurance	2,000	2,000	2,000	-
Office	1,000	1,000	803	197
Sports and education	15,000	15,000	15,885	(885)
Janitorial	1,000	1,000	536	464
Repairs	2,500	2,500	11,915	(9,415)
Capital Outlay	150,000	150,000	46,755	103,245
Miscellaneous	800	800	961	(161)
Total Culture and recreation	224,800	224,800	116,952	107,848
Total expenditures	914,800	914,800	605,761	309,039
Excess (deficit) of revenues and other financing sources over (under) expenditures and other financing uses	(586,614)	(586,614)	22,570	(59,351)
Fund balance, beginning of the year	2,665,549	2,665,549	2,766,391	100,842
Fund balance, end of the year	\$ 2,078,935	\$ 2,078,935	\$ 2,788,961	\$ 710,026

TOWN OF DOVE CREEK, COLORADO

Balance Sheet Governmental Fund

December 31, 2018

	General Fund
Assets	
Cash-unrestricted	\$ 2,643,171
Property tax receivable	120,220
Due from other funds	129,965
Due from other governments	61,674
Total Assets	<u>\$ 2,955,030</u>
Liabilities	
Accounts payable	\$ 40,928
Accrued payroll tax liabilities	4,921
Total Liabilities	<u>45,849</u>
Deferred Inflow of Resources	
Unearned tax revenue	<u>120,220</u>
Fund Balance	
Restricted	
TABOR	100,000
Assigned	
Subsequent year's expenditures	2,688,961
Total Fund Balance	<u>2,788,961</u>
Total Liabilities and Fund Balance	<u>\$ 2,955,030</u>
Reconciliation of the Governmental Fund Balance Sheet with the Statement of Net Position	
Total Fund Balance Governmental Fund	\$ 2,788,961
Amounts reported for governmental activities in the Statement of Net Position are different because	
Capital assets used in governmental activities are not financial resources and therefore are not reported as assets in governmental funds.	
Capital assets	\$ 380,344
Accumulated depreciation	<u>(253,796)</u>
	126,548
Total Net Position Governmental Activities	<u>\$ 2,915,509</u>

The accompanying notes are an integral part of this statement.

TOWN OF DOVE CREEK, COLORADO
Statement of Revenues, Expenditures, and Changes in Fund Balance
Governmental Fund

For the Year Ended December 31, 2018

	General Fund
Revenues	
Taxes	\$ 340,537
Licenses and permits	1,393
Intergovernmental	250,184
Charges for services	8,111
Fines and forfeitures	11,700
Miscellaneous	16,406
Total Revenues	<u>628,331</u>
Expenditures	
General government	285,917
Public safety	109,993
Public works	92,899
Culture and recreation	116,952
Total Expenditures	<u>605,761</u>
Excess revenues over (under) expenditures	<u>22,570</u>
Net Change in Fund Balances	22,570
Fund Balances beginning of the year	2,766,391
Fund Balances end of the year	<u><u>\$ 2,788,961</u></u>

Reconciliation of the Governmental Fund Statement of Revenues, Expenditures and Changes in Fund Balances to the Statement of Activities

Net Change in Fund Balances Governmental Fund	\$ 22,570
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Amounts reported for governmental activities in the Statement of Activities are different because Governmental funds report capital outlay as expenditures. However, in the Statement of Activities, the cost of those assets is allocated over their estimated useful lives as depreciation expense. This is the amount by which depreciation exceeded capital outlay in the current period.

Capital outlay	\$ 46,755	
Depreciation expense	(8,749)	
		<u>38,006</u>

Change in Net Position of Governmental Activities	<u><u>\$ 60,576</u></u>
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The accompanying notes are an integral part of this statement.

TOWN OF DOVE CREEK, COLORADO

Statement of Net Position Proprietary Fund Types - Enterprise Funds December 31, 2018

	Business-type Activities		
	Water	Sanitation	Total
Assets			
Current Assets			
Cash	\$ 615,614	\$ 495,003	\$ 1,110,617
Receivables-net			
Accounts receivable	14,710	5,938	20,648
Noncurrent Assets			
Investments in Water Taps	3,917		3,917
Capital assets, net of depreciation	536,818	306,606	843,424
Total Assets	<u>1,171,059</u>	<u>807,547</u>	<u>1,978,606</u>
Liabilities			
Current Liabilities			
Accounts payable	13,811	1,003	14,814
Due to other funds	64,668	65,297	129,965
Total Liabilities	<u>78,479</u>	<u>66,300</u>	<u>144,779</u>
Net Position			
Net investment in capital assets	536,818	306,606	843,424
Unrestricted	555,762	434,641	990,403
Total Net Position	<u>\$ 1,092,580</u>	<u>\$ 741,247</u>	<u>\$ 1,833,827</u>

The accompanying notes are an integral part of this statement

TOWN OF DOVE CREEK, COLORADO
Statement of Revenues, Expenditures, and Changes in Net Position - Budget and Actual
Proprietary Fund Type - Enterprise Fund
Water Fund

For the Year Ended December 31, 2019

	Budgeted Amounts		(Non GAAP Basis) Actual	Variance Favorable
	Original	Final	Amounts	(Unfavorable)
Operating Revenues				
Water sales	\$ 160,000	\$ 160,000	\$ 186,314	\$ 26,314
Water sales-Celsius	14,050	14,050	14,050	-
Water dock	9,000	9,000	16,416	7,416
Miscellaneous revenue	500	500	406	(94)
Total operating revenues	183,550	183,550	217,186	33,636
Operating Expenses				
Administration				
Salaries	5,000	5,000		5,000
Payroll tax	1,500	1,500		1,500
Employee benefits	800	800	405	395
Office	4,000	4,000	9,068	(5,068)
Miscellaneous	1,000	1,000	463	537
Total administration	12,300	12,300	9,936	2,364
Source of supply				
Fuel and power	6,000	6,000	1,921	4,079
Repairs and maintenance	10,000	10,000		10,000
Water	35,000	35,000	29,948	5,052
O&M charges	8,000	8,000	7,178	822
Water dock	1,500	1,500	4,002	(2,502)
Professional fees			14,335	(14,335)
Total source of supply	60,500	60,500	57,384	3,116
Water treatment				
Salaries	33,000	33,000	29,862	3,138
Payroll tax	3,000	3,000	2,374	626
Employee benefits	57,600	57,600	38,267	19,333
Outside services	48,000	48,000	69,532	(21,532)
Operating supplies	12,000	12,000	8,649	3,351
Insurance	7,000	7,000	4,000	3,000
Repairs and maintenance	5,500	5,500	3,256	2,244
Miscellaneous	3,000	3,000	585	2,415
Total water treatment	169,100	169,100	156,525	12,575
Transmission and distribution				
Chemicals	17,000	17,000	8,393	8,607
Fuel and power	12,000	12,000	9,518	2,482
Outside services	2,000	2,000	510	1,490
Insurance	6,000	6,000	3,000	3,000
Total transmission and distribution	37,000	37,000	21,421	15,579

Continued

TOWN OF DOVE CREEK, COLORADO
Statement of Revenues, Expenditures, and Changes in Net Position - Budget and Actual
Proprietary Fund Type - Enterprise Fund
Water Fund

For the Year Ended December 31, 2019

	Budgeted Amounts		(Non GAAP Basis) Actual	Variance Favorable
	Original	Final	Amounts	(Unfavorable)
Capital outlay	\$ 300,000	\$ 300,000	\$ 47,480	\$ 252,520
Total Operating Expenses	578,900	578,900	292,746	286,154
Operating income (loss)	(395,350)	(395,350)	(75,560)	319,790
Non-Operating Revenue (Expenses)				
Interest revenue	20	20	605	585
Total Non-Operating Revenue	20	20	605	585
Change in net position non GAAP basis	(395,330)	(395,330)	(74,955)	320,375
Add capital outlay			47,480	47,480
Less depreciation expense			(36,764)	(36,764)
Change in net position	(395,330)	(395,330)	(64,239)	331,091
Net position beginning of the year	576,520	576,520	1,092,580	516,060
Net position end of the year	\$ 181,190	\$ 181,190	\$ 1,028,341	\$ 847,151

TOWN OF DOVE CREEK, COLORADO

Schedule of Revenues, Expenditures and Changes in Fund Balance - Budget and Actual
General Fund
For the Year Ended December 31, 2019

	Budgeted Amounts		Actual	Variance Favorable (Unfavorable)
	Original	Final		
Revenues				
Taxes				
Property	\$ 120,220	\$ 120,220	\$ 120,976	\$ 756
Specific ownership	4,000	4,000	6,404	2,404
General sales and use	100,000	100,000	177,185	77,185
Motor vehicle registration	1,800	1,800	3,475	1,675
Franchise	35,000	35,000	43,245	8,245
Road and Bridge Fee	6,000	6,000	7,318	1,318
Total taxes	267,020	267,020	358,603	91,583
Licenses and permits				
Business licenses and permits	500	500	2,888	2,388
Nonbusiness licenses and permits	500	500	810	310
Total licenses and permits	1,000	1,000	3,698	2,698
Intergovernmental revenues				
Mineral leasing	1,000	1,000	123,713	122,713
Severance	4,000	4,000	13,981	9,981
Highway users	25,000	25,000	37,320	12,320
Tobacco product	700	700	657	(43)
Lottery funds	4,500	4,500	9,613	5,113
Grants			10,250	10,250
Total intergovernmental revenues	35,200	35,200	195,534	145,014
Charges for services - recreation	2,000	2,000	8,239	6,239
Fines and forfeitures	8,000	8,000	11,466	3,466
Miscellaneous revenues - recreation	3,000	3,000	2,383	(617)
Miscellaneous revenues	5,000	5,000	16,552	11,552
Total revenues	321,220	321,220	596,475	259,935

Continued

TOWN OF DOVE CREEK, COLORADO

Schedule of Revenues, Expenditures and Changes in Fund Balance - Budget and Actual
General Fund
For the Year Ended December 31, 2019

	Budgeted Amounts		Actual	Variance Favorable (Unfavorable)
	Original	Final		
Expenditures				
General government				
Legislative	\$ 22,000	\$ 22,000	\$ 8,567	\$ 13,433
Judicial	5,000	5,000	3,963	1,037
Elections	2,000	2,000	220	1,780
Administrative				
Salary	134,000	134,000	131,176	2,824
Payroll taxes	11,000	11,000	10,076	924
Employee benefits	65,000	65,000	54,712	10,288
Office	16,000	16,000	45,286	(29,286)
Printing and publications	3,000	3,000	1,671	1,329
Utilities and telephone	6,700	6,700	4,548	2,152
Legal	30,000	30,000	26,200	3,800
Auditing	7,500	7,500	7,000	500
Outside services	4,000	4,000	1,200	2,800
Insurance	22,000	22,000	18,765	3,235
Miscellaneous	5,000	5,000	2,534	2,466
Treasurer's fees	5,500	5,500	2,443	3,057
Total general government	338,700	338,700	318,361	20,339
Public safety				
Sherriff contract	130,000	130,000	83,993	46,007
Jail	1,500	1,500		1,500
Supplies	7,500	7,500		7,500
Animal control	15,000	15,000	12,329	2,671
Miscellaneous	2,500	2,500	79	2,421
Total public safety	156,500	156,500	96,401	60,099
Public works				
General labor	50,000	50,000	25,596	24,404
Payroll tax	4,000	4,000	2,036	1,964
Maintenance of condition	100,000	100,000	47,732	52,268
Snow and ice removal	4,000	4,000	1,693	2,307
Highway equipment	40,000	40,000	8,664	31,336
Repairs	10,000	10,000	9,162	838
Street lights	22,000	22,000	17,957	4,043
Total public works	230,000	230,000	112,840	117,160

Continued

TOWN OF DOVE CREEK, COLORADO

Schedule of Revenues, Expenditures and Changes in Fund Balance - Budget and Actual
General Fund
For the Year Ended December 31, 2019

	Budgeted Amounts			Variance Favorable (Unfavorable)
	Original	Final	Actual	
Culture and recreation				
Contract services	\$ 32,000	\$ 32,000	\$ 32,335	\$ (335)
Operating supplies	3,500	3,500	2,447	1,053
Community Center and Park	11,000	11,000	4,661	6,339
Utilities and telephone	8,000	8,000	7,440	560
Insurance	2,000	2,000	2,000	-
Office	1,000	1,000	1,311	(311)
Sports and education	15,000	15,000	11,399	3,601
Janitorial	1,000	1,000	732	268
Repairs	4,000	4,000	11,702	(7,702)
Capital Outlay	150,000	150,000		150,000
Miscellaneous	1,000	1,000		1,000
Total Culture and recreation	228,500	228,500	74,027	154,473
Total expenditures	953,700	953,700	601,629	352,071
Excess (deficit) of revenues and other financing sources over (under) expenditures and other financing uses	(632,480)	(632,480)	(5,154)	(92,136)
Fund balance, beginning of the year	2,703,988	2,703,988	2,788,961	84,973
Fund balance, end of the year	\$ 2,071,508	\$ 2,071,508	\$ 2,783,807	\$ 712,299

TOWN OF DOVE CREEK, COLORADO**Balance Sheet
Governmental Fund**December 31, 2019

	General Fund
Assets	
Cash-unrestricted	\$ 2,764,630
Property tax receivable	127,187
Due from other funds	7,532
Due from other governments	25,017
Total Assets	<u>\$ 2,924,366</u>
Liabilities	
Accounts payable	\$ 7,232
Accrued payroll tax liabilities	6,140
Total Liabilities	<u>13,372</u>
Deferred Inflow of Resources	
Unearned tax revenue	<u>127,187</u>
Fund Balance	
Restricted	
TABOR	100,000
Assigned	
Subsequent year's expenditures	2,683,807
Total Fund Balance	<u>2,783,807</u>
Total Liabilities and Fund Balance	<u>\$ 2,924,366</u>
Reconciliation of the Governmental Fund Balance Sheet with the Statement of Net Position	
Total Fund Balance Governmental Fund	\$ 2,783,807
Amounts reported for governmental activities in the Statement of Net Position are different because	
Capital assets used in governmental activities are not financial resources and therefore are not reported as assets in governmental funds.	
Capital assets	\$ 380,344
Accumulated depreciation	<u>(257,341)</u>
	123,003
Total Net Position Governmental Activities	<u>\$ 2,906,810</u>

The accompanying notes are an integral part of this statement.

TOWN OF DOVE CREEK, COLORADO
Statement of Revenues, Expenditures, and Changes in Fund Balance
Governmental Fund

For the Year Ended December 31, 2019

	General Fund
Revenues	
Taxes	\$ 358,603
Licenses and permits	3,698
Intergovernmental	195,534
Charges for services	8,239
Fines and forfeitures	11,466
Miscellaneous	18,935
Total Revenues	<u>596,475</u>
Expenditures	
General government	318,361
Public safety	96,401
Public works	112,840
Culture and recreation	74,027
Total Expenditures	<u>601,629</u>
Excess revenues over (under) expenditures	<u>(5,154)</u>
Net Change in Fund Balances	(5,154)
Fund Balances beginning of the year	2,788,961
Fund Balances end of the year	<u><u>\$ 2,783,807</u></u>
 Reconciliation of the Governmental Fund Statement of Revenues, Expenditures and Changes in Fund Balances to the Statement of Activities	
Net Change in Fund Balances Governmental Fund	\$ (5,154)
Amounts reported for governmental activities in the Statement of Activities are different because Governmental funds report capital outlay as expenditures. However, in the Statement of Activities, the cost of those assets is allocated over their estimated useful lives as depreciation expense. This is the amount by which depreciation exceeded capital outlay in the current period.	
Capital outlay	\$ -
Depreciation expense	(3,545)
	<u>(3,545)</u>
Change in Net Position of Governmental Activities	<u><u>\$ (8,699)</u></u>

The accompanying notes are an integral part of this statement.

TOWN OF DOVE CREEK, COLORADO

Statement of Net Position
Proprietary Fund Types - Enterprise Funds
December 31, 2019

	Business-type Activities		
	Water	Sanitation	Total
Assets			
Current Assets			
Cash	\$ 460,720	\$ 455,041	\$ 915,761
Receivables-net			
Accounts receivable	29,371	6,233	35,604
Noncurrent Assets			
Investments in Water Taps	3,917		3,917
Capital assets, net of depreciation	547,534	285,825	833,359
Total Assets	<u>1,041,542</u>	<u>747,099</u>	<u>1,788,641</u>
Liabilities			
Current Liabilities			
Accounts payable	10,827	1,468	12,295
Due to other funds	2,374	5,158	7,532
Total Liabilities	<u>13,201</u>	<u>6,626</u>	<u>19,827</u>
Net Position			
Net investment in capital assets	547,534	285,825	833,359
Unrestricted	480,807	454,648	935,455
Total Net Position	<u>\$ 1,028,341</u>	<u>\$ 740,473</u>	<u>\$ 1,768,814</u>

The accompanying notes are an integral part of this statement

TOWN OF DOVE CREEK, COLORADO
Statement of Revenues, Expenditures, and Changes in Net Position - Budget and Actual
Proprietary Fund Type - Enterprise Fund
Water Fund

For the Year Ended December 31, 2020

	Budgeted Amounts		(Non GAAP Basis) Actual	Variance Favorable
	Original	Final	Amounts	(Unfavorable)
Operating Revenues				
Water sales	\$ 160,000	\$ 160,000	\$ 192,261	\$ 32,261
Water sales-Celsius	14,050	14,050	14,050	-
Water dock	9,000	9,000	20,924	11,924
Miscellaneous revenue			18,397	18,397
Total operating revenues	183,050	183,050	245,632	62,582
Operating Expenses				
Administration				
Salaries	5,000	5,000		5,000
Payroll tax	1,500	1,500		1,500
Employee benefits	800	800	540	260
Office	5,000	5,000	5,649	(649)
Miscellaneous	1,000	1,000	743	257
Total administration	13,300	13,300	6,932	6,368
Source of supply				
Fuel and power	6,000	6,000	1,958	4,042
Repairs and maintenance	10,000	10,000		10,000
Water	35,000	35,000	29,948	5,052
O&M charges	8,000	8,000	5,666	2,334
Water dock	4,000	4,000	3,850	150
Total source of supply	63,000	63,000	41,422	21,578
Water treatment				
Salaries	30,000	30,000	33,574	(3,574)
Payroll tax	3,000	3,000	2,669	331
Employee benefits	70,000	70,000	37,602	32,398
Professional fees	48,000	48,000	75,030	(27,030)
Operating supplies	12,000	12,000	13,576	(1,576)
Insurance	7,000	7,000	4,000	3,000
Repairs and maintenance	5,500	5,500	32,971	(27,471)
Miscellaneous	3,000	3,000	585	2,415
Total water treatment	178,500	178,500	200,007	(21,507)
Transmission and distribution				
Chemicals	17,000	17,000	12,185	4,815
Fuel and power	12,000	12,000	9,363	2,637
Outside services	2,000	2,000	759	1,241
Insurance	6,000	6,000	4,000	2,000
Miscellaneous			1,041	(1,041)
Total transmission and distribution	37,000	37,000	27,348	9,652

Continued

TOWN OF DOVE CREEK, COLORADO
Statement of Revenues, Expenditures, and Changes in Net Position - Budget and Actual
Proprietary Fund Type - Enterprise Fund
Water Fund

For the Year Ended December 31, 2020

	Budgeted Amounts		(Non GAAP Basis)	Variance
	Original	Final	Actual Amounts	Favorable (Unfavorable)
Capital outlay	\$ 200,000	\$ 200,000		\$ 200,000
Total Operating Expenses	491,800	491,800	\$ 275,709	216,091
Operating income (loss)	(308,750)	(308,750)	(30,077)	278,673
Non-Operating Revenue (Expenses)				
Interest revenue	100	100	352	252
Total Non-Operating Revenue	100	100	352	252
Change in net position non GAAP basis	(308,650)	(308,650)	(29,725)	278,925
Add capital outlay			-	-
Less depreciation expense			(26,672)	(26,672)
Change in net position	(308,650)	(308,650)	(56,397)	252,253
Net position beginning of the year	556,174	556,174	1,028,341	472,167
Net position end of the year	\$ 247,524	\$ 247,524	\$ 971,944	\$ 724,420

TOWN OF DOVE CREEK, COLORADO

Schedule of Revenues, Expenditures and Changes in Fund Balance - Budget and Actual
General Fund
For the Year Ended December 31, 2020

	Budgeted Amounts			Variance
	Original	Final	Actual	Favorable (Unfavorable)
Revenues				
Taxes				
Property	\$ 127,187	\$ 127,187	\$ 127,880	\$ 693
Specific ownership	4,000	4,000	6,761	2,761
General sales and use	100,000	100,000	213,573	113,573
Motor vehicle registration	1,800	1,800	3,340	1,540
Franchise	35,000	35,000	44,472	9,472
Road and Bridge Fee	6,000	6,000	7,777	1,777
Total taxes	273,987	273,987	403,803	129,816
Licenses and permits				
Business licenses and permits	500	500	1,744	1,244
Nonbusiness licenses and permits	500	500	543	43
Total licenses and permits	1,000	1,000	2,287	1,287
Intergovernmental revenues				
Mineral leasing	1,000	1,000	124,696	123,696
Severance	4,000	4,000	11,800	7,800
Highway users	25,000	25,000	27,721	2,721
Tobacco product	700	700	907	207
Lottery funds	4,500	4,500	7,508	3,008
Grants			39,964	39,964
Total intergovernmental revenues	35,200	35,200	212,596	177,396
Charges for services - recreation	2,000	2,000	3,018	1,018
Fines and forfeitures	8,000	8,000	14,556	6,556
Miscellaneous revenues - recreation	2,500	2,500	2,700	200
Miscellaneous revenues	5,000	5,000	11,569	6,569
Total revenues	327,687	327,687	650,529	322,842

Continued

The accompanying notes are an integral part of this statement.

TOWN OF DOVE CREEK, COLORADO

Schedule of Revenues, Expenditures and Changes in Fund Balance - Budget and Actual
General Fund
For the Year Ended December 31, 2020

	Budgeted Amounts		Actual	Variance
	Original	Final		Favorable (Unfavorable)
Expenditures				
General government				
Legislative	\$ 22,000	\$ 22,000	\$ 19,167	\$ 2,833
Judicial	5,000	5,000	4,293	707
Elections	2,000	2,000	40	1,960
Administrative				
Salary	162,000	162,000	136,620	25,380
Payroll taxes	13,000	13,000	10,494	2,506
Employee benefits	65,000	65,000	57,770	7,230
Office	16,000	16,000	29,033	(13,033)
Printing and publications	3,000	3,000	1,119	1,881
Utilities and telephone	7,000	7,000	5,027	1,973
Legal	30,000	30,000	14,269	15,731
Auditing	8,000	8,000	7,500	500
Outside services	4,000	4,000	1,290	2,710
Insurance	22,000	22,000	18,373	3,627
Miscellaneous	5,000	5,000	23,315	(18,315)
Treasurer's fees	5,500	5,500	2,567	2,933
Total general government	369,500	369,500	330,877	38,623
Public safety				
Sheriff contract	130,000	130,000	83,993	46,007
Jail	1,500	1,500		1,500
Supplies	7,500	7,500	962	6,538
Animal control	15,000	15,000	12,135	2,865
Miscellaneous	2,500	2,500		2,500
Total public safety	156,500	156,500	97,090	59,410
Public works				
General labor	50,000	50,000	28,778	21,222
Payroll tax	4,000	4,000	2,288	1,712
Maintenance of condition	100,000	100,000	62,505	37,495
Snow and ice removal	4,000	4,000	25	3,975
Highway equipment	40,000	40,000	10,190	29,810
Repairs	10,000	10,000	9,871	129
Street lights	22,000	22,000	19,285	2,715
Total public works	230,000	230,000	132,942	97,058

Continued

The accompanying notes are an integral part of this statement.

TOWN OF DOVE CREEK, COLORADO

Schedule of Revenues, Expenditures and Changes in Fund Balance - Budget and Actual General Fund For the Year Ended December 31, 2020

	Budgeted Amounts		Actual	Variance Favorable (Unfavorable)
	Original	Final		
Culture and recreation				
Contract services	\$ 37,000	\$ 37,000	\$ 32,310	\$ 4,690
Operating supplies	3,500	3,500	2	3,498
Community Center and Park	15,000	15,000	11,187	3,813
Utilities and telephone	8,000	8,000	7,566	434
Insurance	2,500	2,500	2,000	500
Office	1,000	1,000	962	38
Sports and education	15,000	15,000	3,113	11,887
Janitorial	1,000	1,000	1,068	(68)
Repairs	4,000	4,000	261	3,739
Capital Outlay	150,000	150,000	2,415	147,585
Miscellaneous	1,000	1,000		1,000
Total Culture and recreation	238,000	238,000	60,884	177,116
Total expenditures	994,000	994,000	621,793	372,207
Excess (deficit) of revenues and other financing sources over (under) expenditures and other financing uses	(666,313)	(666,313)	28,736	695,049
Fund balance, beginning of the year	2,722,904	2,722,904	2,783,807	60,903
Fund balance, end of the year	\$ 2,056,591	\$ 2,056,591	\$ 2,812,543	\$ 755,952

The accompanying notes are an integral part of this statement.

TOWN OF DOVE CREEK, COLORADO

Balance Sheet Governmental Fund

December 31, 2020

	General Fund
Assets	
Cash-unrestricted	\$ 2,717,388
Property tax receivable	127,765
Due from other funds	80,020
Due from other governments	29,583
Total Assets	<u>\$ 2,954,756</u>
Liabilities	
Accounts payable	\$ 6,119
Accrued payroll tax liabilities	8,329
Total Liabilities	<u>14,448</u>
Deferred Inflow of Resources	
Unearned tax revenue	<u>127,765</u>
Fund Balance	
Restricted	
TABOR	100,000
Assigned	
Subsequent year's expenditures	2,712,543
Total Fund Balance	<u>2,812,543</u>
Total Liabilities and Fund Balance	<u>\$ 2,954,756</u>

Reconciliation of the Governmental Fund Balance Sheet with the Statement of Net Position

Total Fund Balance Governmental Fund	\$ 2,812,543
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Amounts reported for governmental activities in the
Statement of Net Position are different because

Capital assets used in governmental activities
are not financial resources and therefore are not
reported as assets in governmental funds.

Capital assets	\$ 380,344	
Accumulated depreciation	<u>(259,478)</u>	
		120,866
Total Net Position Governmental Activities		<u>\$ 2,933,409</u>

The accompanying notes are an integral part of this statement.

TOWN OF DOVE CREEK, COLORADO
Statement of Revenues, Expenditures, and Changes in Fund Balance
Governmental Fund

For the Year Ended December 31, 2020

	General Fund
Revenues	
Taxes	\$ 403,803
Licenses and permits	2,287
Intergovernmental	212,596
Charges for services	3,018
Fines and forfeitures	14,556
Miscellaneous	14,269
Total Revenues	<u>650,529</u>
Expenditures	
General government	330,877
Public safety	97,090
Public works	132,942
Culture and recreation	60,884
Total Expenditures	<u>621,793</u>
Excess revenues over (under) expenditures	<u>28,736</u>
Net Change in Fund Balances	28,736
Fund Balances beginning of the year	2,783,807
Fund Balances end of the year	<u><u>\$ 2,812,543</u></u>
 Reconciliation of the Governmental Fund Statement of Revenues, Expenditures and Changes in Fund Balances to the Statement of Activities	
Net Change in Fund Balances Governmental Fund	\$ 28,736
Amounts reported for governmental activities in the Statement of Activities are different because Governmental funds report capital outlay as expenditures. However, in the Statement of Activities, the cost of those assets is allocated over their estimated useful lives as depreciation expense. This is the amount by which depreciation exceeded capital outlay in the current period.	
Capital outlay	\$ -
Depreciation expense	(2,137)
	<u>(2,137)</u>
Change in Net Position of Governmental Activities	<u><u>\$ 26,599</u></u>

The accompanying notes are an integral part of this statement.

TOWN OF DOVE CREEK, COLORADO

Statement of Net Position Proprietary Fund Types - Enterprise Funds December 31, 2020

	Business-type Activities		
	Water	Sanitation	Total
Assets			
Current Assets			
Cash	\$ 480,636	\$ 488,649	\$ 969,285
Receivables-net			
Accounts receivable	15,358	6,734	22,092
Noncurrent Assets			
Investments in Water Taps	3,917		3,917
Capital assets, net of depreciation	520,861	267,205	788,066
Total Assets	<u>1,020,772</u>	<u>762,588</u>	<u>1,783,360</u>
Liabilities			
Current Liabilities			
Accounts payable	10,210	1,734	11,944
Due to other funds	38,618	41,402	80,020
Total Liabilities	<u>48,828</u>	<u>43,136</u>	<u>91,964</u>
Net Position			
Net investment in capital assets	520,861	267,205	788,066
Unrestricted	451,083	452,247	903,330
Total Net Position	<u>\$ 971,944</u>	<u>\$ 719,452</u>	<u>\$ 1,691,396</u>

The accompanying notes are an integral part of this statement

FILED
IN DISTRICT COURT WATER DIVISION 7

FEB - 9 2017

☒ District Court, Water Division No. 7, Colorado
Court Address: 1060 E Second Ave, Room 106
Durango, CO 81301

DURANGO COLORADO

DATE FILED: March 10, 2017
CLERK
CASE NUMBER: 2016CW3004

FILED

IN DISTRICT COURT WATER DIVISION 7

MAR 10 2017

DURANGO COLORADO

▲ ~~COURT USE ONLY~~ ▲ CLERK

Case Number:

16 CW 003004

CONCERNING THE APPLICATION FOR WATER RIGHTS OF

Applicant: The Town of Dove Creek, Colorado

In the Dolores River or its Tributaries

IN DOLORES COUNTY

**FINDINGS OF FACT, CONCLUSION OF LAW, RULING BY REFEREE,
JUDGMENT AND DECREE**

Application Filed: February 24, 2016

APPLICANT: Town of Dove Creek
P.O. Box 508
Dove Creek, CO 81324

NAME OF STRUCTURE: DOVE CREEK-DOLORES RIVER WATER SUPPLY
DEVELOPMENT -SOUTH WELL

POINT OF DIVERSION: In the SE ¼, SW ¼, SW ¼ of Section 23, T41N, R18W,
N.M.P.M., 20.0 ft. from the South section line and 1250.0 ft. from the West section line.
Left bank Dolores River.

SOURCE: groundwater tributary to the Dolores River

TYPE OF USE: Municipal and commercial use in an integrated water system for the
Town of Dove Creek.

AMOUNT OF WATER: 1.08 cfs, of which 0.21 cfs remains conditional and 0.87 cfs was made absolute.

CONDITIONAL WATER RIGHT:

PRIORITY DATE: February 16, 1951

DECREE NUMBER: C-2220

DECREE DATE: June 11, 1968

THE APPLICANT SHALL COMPLY WITH THE ORDERS OF THE STATE OR DIVISION ENGINEER TO INSTALL NECESSARY MEASURING DEVICES, AND SHALL KEEP RECORDS AND MAKE REPORTS AS REASONABLY REQUESTED BY THE STATE OR DIVISION ENGINEER.

It is the ruling of the Referee that the applicant has exercised due diligence in the development of the proposed appropriation and the conditional water right is extended.

 2/6/17

Approved by Division Engineer Office
Water Division 7

DATED this 9th day of February, 2017.

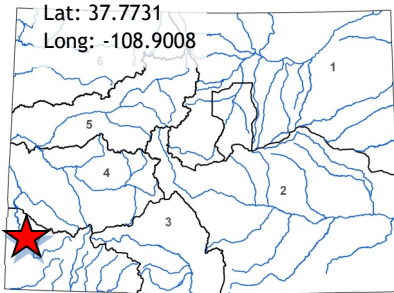
BY THE COURT:



JEFFREY R. WILSON, Water Judge
Acting as Water Referee



Water Plan Grant Application



L O C A T I O N	
County/Countries:	Dolores
Drainage Basin:	Southwest

D E T A I L S	
Total Project Cost:	\$1,612,400
Water Plan Grant Request:	\$800,000
Other CWCB Funding:	\$800,000 (Loan)
Other Funding Amount:	\$100,000
Applicant Match:	\$12,400
Project Type(s):	Construction
Project Category(Categories):	Water Storage & Storage
Measurable Result:	100 acre-feet created

The Town of Dove Creek provides more than 450 households with domestic water, and 176 bulk water users with water for household use at a water dock that it also operates. On average, the Town's annual water use is 125 AF/year; however, the Town currently has a contract for 280 AF of water from the Dolores Water Conservancy District. This water is delivered through an irrigation canal between May and October each year. Currently, the Town utilizes an existing 100 AF reservoir at their water treatment plant as the storage for the District's deliveries.

The Town is planning for the needs of the community considering the unforeseen drought conditions. By expanding the storage capacity, the Town will be able to store more of the water that it pays for annually, providing sufficient water during extreme conditions. This project will provide final design and engineering, as well as construction, of a new 100 AF reservoir. The reservoir will be located adjacent to the existing reservoir on land owned by the Town.

Funding Recommendation: Staff is recommending a conditional approval of the full request in the amount of \$800,000 for up to 50% of project costs from the Water Storage and Supply category. Approval is conditioned upon the Town submitting a CWCB loan application for the remaining costs of the project by the February 2022 loan application deadline. This project aligns with the Water Plan's measurable goal of creating 400,000 AF of water storage by 2050 by providing new storage in the Southwest basin.





Last Updated: May 2021

Colorado Water Conservation Board

Water Plan Grant Application

Instructions

To receive funding for a Water Plan Grant, applicant must demonstrate how the project, activity, or process (collectively referred to as “project”) funded by the CWCB will help meet the measurable objectives and critical actions in the Water Plan. Grant guidelines are available on the CWCB website.

If you have questions, please contact CWCB at (303) 866-3441 or email the following staff to assist you with applications in the following areas:

Water Storage & Supply Projects	Matthew.Stearns@state.co.us
Conservation, Land Use Planning	Kevin.Reidy@state.co.us
Engagement & Innovation Activities	Ben.Wade@state.co.us
Agricultural Projects	Alexander.Funk@state.co.us
Water Sharing & ATM Projects	Alexander.Funk@state.co.us
Environmental & Recreation Projects	Chris.Sturm@state.co.us

FINAL SUBMISSION: Submit all application materials in one email to

waterplan.grants@state.co.us

in the original file formats [Application (word); Statement of Work (word); Budget/Schedule (excel)]. Please do not combine documents. In the subject line, please include the funding category and name of the project.

Water Project Summary

Name of Applicant	Town of Dove Creek	
Name of Water Project	Reservoir No. 2 Dove Creek Water Treatment Facility	
CWP Grant Request Amount		\$800,000.00
Other Funding Sources	CWCB Loan	\$800,000.00
Other Funding Sources		\$
Other Funding Sources		\$
Applicant Funding Contribution		\$ 12,400.00
Total Project Cost		\$1,612,400.00



Last Updated: May 2021

Applicant & Grantee Information	
Name of Grantee(s)	Town of Dove Creek
Mailing Address	P.O. Box 508, Dove Creek, CO 81324
FEIN	84-6008863
Organization Contact	Brett D. Martin
Position/Title	Mayor
Email	towndc@centurytel.net
Phone	(970) 677-2255
Grant Management Contact	Crystal Broderick
Position/Title	Deputy Clerk
Email	cbroderick@townofdovecreek.com
Phone	(970) 677-2255
Name of Applicant (if different than grantee)	
Mailing Address	
Position/Title	
Email	
Phone	
Description of Grantee/Applicant	
Provide a brief description of the grantee's organization (100 words or less).	
The Town of Dove Creek is a governmental entity servicing over 450 households with drinking water. Another 176 bulk water users heavily rely on the Town of Dove Creek for their household use outside of the town's serviceable area. The Town of Dove Creek receives its water treatment source water from Dolores Water Conservancy District through an irrigation canal. This source water is generally available from May through October. Due to current extreme drought conditions, the Town of Dove Creek is facing the devastating situation of losing their water treatment source water in July. Current storage capacity allows for municipal water through the winter months until source water becomes available the following year. Reality in 2021 deems Dolores Water Conservancy District can no longer keep their canal charged and unfortunately this is the only source option available at this time.	



Last Updated: May 2021

Type of Eligible Entity (check one)	
X	Public (Government): Municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities. Federal agencies are eligible, but only if they can make a compelling case for why a local partner cannot be the grant recipient.
	Public (Districts): Authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises.
	Private Incorporated: Mutual ditch companies, homeowners associations, corporations.
	Private Individuals, Partnerships, and Sole Proprietors: Private parties may be eligible for funding.
	Non-governmental organizations (NGO): Organization that is not part of the government and is non-profit in nature.
	Covered Entity: As defined in Section 37-60-126 Colorado Revised Statutes .

Type of Water Project (check all that apply)	
	Study
X	Construction
	Other

Category of Water Project (check the primary category that applies and include relevant tasks)		
X	Water Storage & Supply - Projects that facilitate the development of additional storage, artificial aquifer recharge, and dredging existing reservoirs to restore the reservoirs' full decreed capacity, multi-beneficial projects, water sharing agreements, Alternative Transfer Methods, and those projects identified in basin implementation plans to address the water supply and demand gap. <i>Applicable Exhibit A Task(s):</i> Note: For Water Sharing Agreements or ATM Projects - please include the supplemental application available on the CWCB's website.	
	Conservation and Land Use Planning - Activities and projects that implement long-term strategies for conservation, land use, water efficiency, and drought planning. <i>Applicable Exhibit A Task(s):</i>	
	Engagement & Innovation - Activities and projects that support water education, outreach, and innovation efforts. <i>Applicable Exhibit A Task(s):</i>	
	Agricultural - Projects that provide technical assistance and improve agricultural efficiency. <i>Applicable Exhibit A Task(s):</i>	
	Environmental & Recreation - Projects that promote watershed health, environmental health, and recreation. <i>Applicable Exhibit A Task(s):</i>	
	Other	Explain:

Last Updated: May 2021

Location of Water Project	
Please provide the general county and coordinates of the proposed project below in decimal degrees . The Applicant shall also provide, in Exhibit C, a site map if applicable.	
County/Countries	Dolores County
Latitude	-108.90078853
Longitude	37.77313842

Water Project Overview
Please provide a summary of the proposed water project (200 words or less). Include a description of the project and what the CWP Grant funding will be used for specifically (e.g., studies, permitting process, construction). Provide a description of the water supply source to be utilized or the water body affected by the project, where applicable. Include details such as acres under irrigation, types of crops irrigated, number of residential and commercial taps, length of ditch improvements, length of pipe installed, and area of habitat improvements, where applicable. If this project addresses multiple purposes or spans multiple basins, please explain. The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, Other Funding Sources/Amounts and Schedule. The project will engineer and construct a 100 acre-foot storage reservoir for use exclusively by the Dove Creek Water Treatment Facility. The town purchased 280 acre-feet of water, available through the Dolores River Project (Repayment Contract No 7-07-W0470 – Bureau of Reclamation / Dolores Water Conservancy District). The additional storage will allow the town to store enough water to adequately serve 437 residential taps, 69 commercial taps and support 176 users who receive their water supply through the water dock operated by the Town of Dove Creek. The Town of Dove Creek is planning for the communities' needs with these difficult unforeseen drought conditions in mind. Looking at the previous yearly usage, the town believes water storage will sustain normal operations during extreme conditions. Dove Creek purchases annual project water set at 280-acre feet from the Dolores Water Conservancy District. The town's current storage reservoir was originally designed to hold 100-acre feet. Dove Creek's current 5-year water use average is around 125-acre feet per year. The Town is preparing for an additional 100-acre feet reservoir that will be located next to the existing one. Extra raw water storage will enable the town to hold and reserve their purchased water, ensuring the community of their drinking water.



Last Updated: May 2021

Measurable Results		
To catalog measurable results achieved with the CWP Grant funds, please provide any of the following values as applicable:		
100	New Storage Created (acre-feet)	
	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive	
	Existing Storage Preserved or Enhanced (acre-feet)	
	Length of Stream Restored or Protected (linear feet)	
	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
	Area of Restored or Preserved Habitat (acres)	
	Quantity of Water Shared through Alternative Transfer Mechanisms or water sharing agreement	
	Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning	
	Number of Coloradans Impacted by Engagement Activity	
	Other	Explain:

Water Project Justification
Provide a description of how this water project supports the goals of Colorado's Water Plan, the Analysis and Technical Update to the Water Plan, and the applicable Roundtable Basin Implementation Plan and Education Action Plan. The Applicant is required to reference specific needs, goals, themes, or Identified Projects and Processes (IPPs), including citations (e.g. document, chapters, sections, or page numbers). The proposed water project shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan Framework for State of Colorado Support for a Water Project (CWP, Section 9.4, pp. 9-43 to 9-44;)
Colorado's Water Plan, Statewide Water Supply Initiative, Basin implementation Plan and the Education Action Plan are all referencing strategies to meet the future needs for water through balanced policies and actions that all Coloradans and their elected officials can support. An extension of our raw water storage by 100 acre feet is essential to meet the future needs of this community. Our present drought concerns for this year and the coming years requires our attention. With the expansion of our storage capacity, it will allow us to store the water that is already paid for by the town and give us the security that we will not run short of supply. The plan attests to our citizens' ability to organize around shared goals to preserve our water values of a productive economy.

Last Updated: May 2021

Related Studies

Please provide a list of any related studies, including if the water project is complementary to or assists in the implementation of other CWCB programs.

N/A

Previous CWCB Grants, Loans or Other Funding

List all previous or current CWCB grants (including WSRF) awarded to both the Applicant and Grantee. Include: 1) Applicant name; 2) Water activity name; 3) Approving RT(s); 4) CWCB board meeting date; 5) Contract number or purchase order; 6) Percentage of other CWCB funding for your overall project.

N/A

Taxpayer Bill of Rights

The Taxpayer Bill of Rights (TABOR) may limit the amount of grant money an entity can receive. Please describe any relevant TABOR issues that may affect your application.

In 1994 voters approved Ordinance No. 166 that exempted the Town of Dove Creek from Tabor requirements; authorizing the town to receive and expend Grant money without limitation.

Last Updated: May 2021

Submittal Checklist	
X	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract .
Exhibit A	
X	Statement of Work ⁽¹⁾
X	Budget & Schedule ⁽¹⁾
X	Engineer's statement of probable cost (projects over \$100,000)
X	Letters of Matching and/or Pending 3 rd Party Commitments ⁽¹⁾
Exhibit C	
X	Map (if applicable) ⁽¹⁾
X	Photos/Drawings/Reports
X	Letters of Support (Optional)
	Certificate of Insurance (General, Auto, & Workers' Comp.) ⁽²⁾
	Certificate of Good Standing with Colorado Secretary of State ⁽²⁾
	W-9 ⁽²⁾
	Independent Contractor Form ⁽²⁾ (If applicant is individual, not company/organization)
Water Sharing Agreements and Alternative Transfer Methods ONLY	
	Water Sharing Agreements and Alternative Transfer Methods Supplemental Application ⁽¹⁾

(1) Required with application.

(2) Required for contracting. While optional at the time of this application, submission can expedite contracting upon CWCB Board approval.

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ENGAGEMENT & INNOVATION GRANT FUND SUPPLEMENTAL APPLICATION

Introduction & Purpose

Colorado's Water Plan calls for an outreach, education, public engagement, and innovation grant fund in Chapter 9.5.

The overall goal of the Engagement & Innovation Grant Fund is to enhance Colorado's water communication, outreach, education, and public engagement efforts; advance Colorado's water supply planning process; and support a statewide water innovation ecosystem.

The grant fund aims to engage the public to promote well-informed community discourse regarding balanced water solutions statewide. The grant fund aims to support water innovation in Colorado. The grant fund prioritizes measuring and evaluating the success of programs, projects, and initiatives. The grant fund prioritizes efforts designed using research, data, and best practices. The grant fund prioritizes a commitment to collaboration and community engagement. The grant fund will support local and statewide efforts.

The grant fund is divided into two tracks: engagement and innovation. The Engagement Track supports education, outreach, communication, and public participation efforts related to water. The Innovation Track supports efforts that advance the water innovation ecosystem in Colorado.

Application Questions

*The grant fund request is referred to as "project" in this application.

Overview (answer for both tracks)
In a few sentences, what is the overall goal of this project? How does it achieve the stated purpose of this grant fund (above)?
Who is/are the target audience(s)? How will you reach them? How will you involve the community?
Describe how the project is collaborative or engages a diverse group of stakeholders. Who are the partners in the project? Do you have other funding partners or sources?



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Describe how you plan to measure and evaluate the success and impact of the project?
What research, evidence, and data support your project?
Describe potential short- and long-term challenges with this project.

Please fill out the applicable questions for either the Engagement Track or Innovation Track, unless your project contains elements in both tracks. If a question does not relate to your project, just leave it blank. Please answer each question that relates to your project. Please reference the relevant documents and use chapters and page numbers (Colorado's Water Plan, Basin Implementation Plan, PEPO Education Action Plan, etc.).

Engagement Track
Describe how the project achieves the education, outreach, and public engagement measurable objective set forth in Colorado's Water Plan to "significantly improve the level of public awareness and engagement regarding water issues statewide by 2020, as determined by water awareness surveys."
Describe how the project achieves the other measurable objectives and critical goals and actions laid out in Colorado's Water Plan around the supply and demand gap; conservation; land use; agriculture; storage; watershed health, environment, and recreation; funding; and additional.
Describe how the project achieves the education, outreach, and public engagement goals set forth in the applicable Basin Implementation Plan(s).



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Describe how the project achieves the basin roundtable's PEPO Education Action Plans.

Innovation Track
Describe how the project enhances water innovation efforts and supports a water innovation ecosystem in Colorado.
Describe how the project engages/leverages Colorado's innovation community to help solve our state's water challenges.
Describe how the project helps advance or develop a solution to a water need identified through TAP-IN and other water innovation challenges. What is the problem/need/challenge?
Describe how this project impacts current or emerging trends; technologies; clusters, sectors, or groups in water innovation.



Colorado Water Conservation Board	
Water Plan Grant - Exhibit A	

CWP Grant Application | 11



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Tasks
Task 1 – Design and Construction
Description of Task: 1. Hire an engineering firm for design and construction items. 2. Seek bids from responsible contractors for construction of the project. 3. Construction of Reservoir.
Method/Procedure: 1. Doing an RFP design that will be in compliance with Dam Safety Standards. 2. Use competitive bid methodology to select a contractor for the project. 3. Construct to the design plans from tasks of hiring an engineer.
Deliverable: 1. Approve design plan and bid documents. 2. Provide us the selected contractor’s bid proposal and construction contract. 3. Completion of reservoir based on “As Built” design plans.



Tasks	
Task 2 - [Name]	
Description of Task:	
Method/Procedure:	
Deliverable:	

CWP Grant Application | 13

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Budget and Schedule

This Statement of Work shall be accompanied by a combined Budget and Schedule that reflects the Tasks identified in the Statement of Work and shall be submitted to CWCB in excel format.

Reporting Requirements

Progress Reports: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of issuance of a purchase order, or the execution of a contract. The progress report shall describe the status of the tasks identified in the statement of work, including a description of any major issues that have occurred and any corrective action taken to address these issues.

Final Report: At completion of the project, the applicant shall provide the CWCB a Final Report on the applicant's letterhead that:

- Summarizes the project and how the project was completed.
- Describes any obstacles encountered, and how these obstacles were overcome.
- Confirms that all matching commitments have been fulfilled.
- Includes photographs, summaries of meetings and engineering reports/designs.

The CWCB will pay out the last 10% of the budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.

Payment

Payment will be made based on actual expenditures and must include invoices for all work completed. The request for payment must include a description of the work accomplished by task, an estimate of the percent completion for individual tasks and the entire Project in relation to the percentage of budget spent, identification of any major issues, and proposed or implemented corrective actions.

Costs incurred prior to the effective date of this contract are not reimbursable. The last 10% of the entire grant will be paid out when the final deliverable has been received. All products, data and information developed as a result of this contract must be provided to as part of the project documentation.

Performance Measures

Performance measures for this contract shall include the following:

(a) Performance standards and evaluation: Grantee will produce detailed deliverables for each task as specified. Grantee shall maintain receipts for all project expenses and documentation of the minimum in-kind contributions (if applicable) per the budget in Exhibit B. Per Water Plan Grant Guidelines, the CWCB will pay out the last 10% of the budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.

(b) Accountability: Per Water Plan Grant Guidelines full documentation of project progress must be submitted with each invoice for reimbursement. Grantee must confirm that all grant conditions have been complied with on each invoice. In addition, per Water Plan Grant Guidelines, Progress Reports must be submitted at least once every 6 months. A Final Report must be submitted and approved before final project payment.

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(c) Monitoring Requirements: Grantee is responsible for ongoing monitoring of project progress per Exhibit A. Progress shall be detailed in each invoice and in each Progress Report, as detailed above. Additional inspections or field consultations will be arranged as may be necessary.

(d) Noncompliance Resolution: Payment will be withheld if grantee is not current on all grant conditions. Flagrant disregard for grant conditions will result in a stop work order and cancellation of the Grant Agreement.



Water Plan Grant - Exhibit C

Budget and Schedule

Project End Date: June 1, 2022

Task No.	Task Description	Task Start Date	Task End Date	Grant Funding Request	Match Funding	Total
1	Design and Construction	10/1/2021	6/1/2022	800,000.00	800,000.00	\$1,600,000
2						\$0
3						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
Total				\$800,000	\$800,000	\$1,600,000



THE SOUTHWESTERN WATER CONSERVATION DISTRICT

Developing and Conserving the Waters of the
SAN JUAN AND DOLORES RIVERS AND THEIR TRIBUTARIES
IN SOUTHWESTERN COLORADO
**West Building – 841 East Second Avenue
DURANGO, COLORADO 81301
(970) 247-1302**

June 30, 2021

Colorado Water Conservation Board
1313 Sherman Street, Room 718
Denver, CO 80203

Dear Director Mitchell and the CWCB Board:

On behalf of Southwestern Water Conservation District Board of Directors, I am writing to express support for the Town of Dove Creek's grant/loan application to address their urgent raw water storage needs through construction of a modest but invaluable 100-acre-foot (af) reservoir.

In a normal year, Dove Creek receives "project" water from May through October via the Dove Creek canal from the Dolores Water Conservancy District (DWCD). The Town's existing reservoir stores municipal water for use in the winter. Due to two years of exceptional drought conditions, the Town of Dove Creek faces the catastrophic loss of its domestic source water in July 2021. DWCD can no longer keep their canal charged and unfortunately this is the only source option available.

Dove Creek wants to avoid this dire situation in future years. Extra raw water storage in the proposed 100-af reservoir will enable Dove Creek to hold purchased water for longer and ensure a stable drinking water supply for the community.

Projects like Dove Creek's raw water storage reservoir align with SWCD's mission to keep and use Colorado water in Colorado. Dove Creek has already secured and purchased the water they need to avoid catastrophic supply disruptions; they just need the infrastructure to prepare for future dry years. This project is a great opportunity for CWCB to support one of many southwestern Colorado communities impacted by acute water shortage.

We encourage the CWCB board to give this funding request full and favorable consideration.

Sincerely,

Steve Wolff, General Manager



IN REPLY REFER TO:

UC-284
WTR-4.00

JUN 23 1997

CERTIFIED - RETURN RECEIPT REQUESTED

Mr. Donald Schwindt
President
Dolores Water Conservancy District
PO Box 1150
Cortez CO 81321

OCT 1997

Subject: Amendment No. 2 to Block Notice No. 3, Municipal and Industrial (M&I) Water for the Town of Dove Creek, Colorado (Dove Creek) and Dolores Rural Area, Dolores Project, Colorado

Dear Mr. Schwindt:

In accordance with Article 7 of Contract No. 7-07-40-W0470, between the United States and the Dolores Water Conservancy District (District), dated September 23, 1977, and paragraph 4 of Block Notice No. 3, dated February 23, 1988, as amended March 21, 1991; Block Notice No. 3 is hereby amended to reflect construction costs incurred through September 30, 1996, and the 1996 redistribution of 320 acre-feet of water from Dove Creek to the District.

The M&I water supplies addressed by this block notice are 280 acre-feet now allocated to Dove Creek and 320 acre-feet allocated to the District, for a total of 600 acre-feet. Amendment of the repayment obligation of the District associated with this portion of the M&I water supply is based on the following schedule:

Town of Dove Creek - Repayment Summary

<u>Sub-block</u>	<u>Year of First Payment</u>	<u>Acre-Feet</u>	<u>Obligation</u>	<u>Annual Payment</u>
3-1	1991	70	\$124,425	\$ 7,616
3-2	1992	50	88,875	5,436
3-3	1993	115	204,413	12,492
3-4	1994	35	62,213	3,799
3-5	1997	10	17,775	1,083
Total		<u>280</u>	<u>\$497,701</u>	<u>\$30,426</u>

This is the correct schedule.

April 6, 2001

DOLORES PROJECT
Development Block Notice No. 3
Town of Dove Creek
Municipal and Industrial Water
Dolores Water Conservancy District
Payment Schedule for Sub-Blocks 3-1, 3-2, 3-3, 3-4, 3-5
(Annuity Due Formula)

Sub-Block	Year	Acre-Feet	Obligation	Annual Pymt
3-1	1991	70	\$122,630	\$7,495
3-2	1992	50	\$87,593	\$5,350
3-3	1993	115	\$201,464	\$12,296
3-4	1994	35	\$61,315	\$3,740
3-5	1997	10	\$17,519	\$1,067
Total:		280	\$490,521	\$29,948

Calendar Year	Payment Year	Total Payment	Payment To Interest	Payment To Principal	Balance	Plant In Service
1986						
1987	1					
1988	2					
1989	3					
1990	4				104,883	419,532
1991	5	6,329		6,329	173,471	419,532
1992	6	10,850	5,975	4,875	340,904	419,532
1993	7	21,248	10,222	11,026	382,319	419,532
1994	8	24,413	20,001	4,412	377,907	419,532
1995	9	24,413	22,913	1,500	376,407	419,532
1996	10	24,413	22,821	1,592	389,798	419,532
1997	11	25,317	22,724	2,593	465,374	497,701
1998	12	30,426	28,216	2,210	463,164	497,701
1999	13	30,426	28,081	2,345	460,819	497,701
2000	14	30,426	27,939	2,487	458,332	497,701
2001	15	30,426	27,788	2,638	448,514	490,521
2002	16	29,948	27,193	2,755	445,759	490,521
2003	17	29,948	27,027	2,921	442,838	490,521
2004	18	29,948	26,849	3,099	439,739	490,521
2005	19	29,948	26,662	3,286	436,453	490,521
2006	20	29,948	26,461	3,487	432,966	490,521
2007	21	29,948	26,250	3,698	429,268	490,521
2008	22	29,948	26,026	3,922	425,346	490,521
2009	23	29,948	25,789	4,159	421,187	490,521

DOLORES PROJECT
Development Block Notice No. 3
Town of Dove Creek
Municipal and Industrial Water

Dolores Water Conservancy District
Payment Schedule for Sub-Blocks 3-1, 3-2, 3-3, 3-4, 3-5
(Annuity Due Formula)

<u>Sub-Block</u>	<u>Year</u>	<u>Acre-Feet</u>	<u>Obligation</u>	<u>Annual Pymt</u>
3-1	1991	70	\$122,630	\$7,495
3-2	1992	50	\$87,593	\$5,350
3-3	1993	115	\$201,464	\$12,296
3-4	1994	35	\$61,315	\$3,740
3-5	1997	10	\$17,519	\$1,067
Total:		280	\$490,521	\$29,948

<u>Calendar Year</u>	<u>Payment Year</u>	<u>Total Payment</u>	<u>Payment To Interest</u>	<u>Payment To Principal</u>	<u>Balance</u>	<u>Plant In Service</u>
2010	24	29,948	25,536	4,412	416,775	490,521
2011	25	29,948	25,269	4,679	412,096	490,521
2012	26	29,948	24,986	4,962	407,134	490,521
2013	27	29,948	24,684	5,264	401,870	490,521
2014	28	29,948	24,366	5,582	396,288	490,521
2015	29	29,948	24,027	5,921	390,367	490,521
2016	30	29,948	23,668	6,280	384,087	490,521
2017	31	29,948	23,287	6,661	377,426	490,521
2018	32	29,948	22,883	7,065	370,361	490,521
2019	33	29,948	22,455	7,493	362,868	490,521
2020	34	29,948	22,002	7,946	354,922	490,521
2021	35	29,948	21,518	8,430	346,492	490,521
2022	36	29,948	21,008	8,940	337,552	490,521
2023	37	29,948	20,465	9,483	328,069	490,521
2024	38	29,948	19,892	10,056	318,013	490,521
2025	39	29,948	19,281	10,667	307,346	490,521
2026	40	29,948	18,635	11,313	296,033	490,521
2027	41	29,948	17,949	11,999	284,034	490,521
2028	42	29,948	17,221	12,727	271,307	490,521
2029	43	29,948	16,449	13,499	257,808	490,521
2030	44	29,948	15,631	14,317	243,491	490,521
2031	45	29,948	14,764	15,184	228,307	490,521
2032	46	29,948	13,841	16,107	212,200	490,521
2033	47	29,948	12,866	17,082	195,118	490,521

April 6, 2001

DOLORES PROJECT
Development Block Notice No. 3
Town of Dove Creek
Municipal and Industrial Water

Dolores Water Conservancy District
Payment Schedule for Sub-Blocks 3-1, 3-2, 3-3, 3-4, 3-5
(Annuity Due Formula)

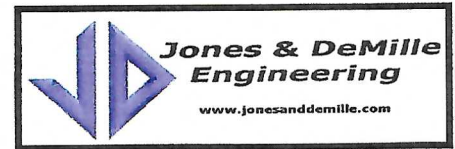
Sub-Block	Year	Acre-Feet	Obligation	Annual Pymt
3-1	1991	70	\$122,630	\$7,495
3-2	1992	50	\$87,593	\$5,350
3-3	1993	115	\$201,464	\$12,296
3-4	1994	35	\$61,315	\$3,740
3-5	1997	10	\$17,519	\$1,067
Total:		280	\$490,521	\$29,948

Calendar Year	Payment Year	Total Payment	Payment To Interest	Payment To Principal	Balance	Plant In Service
2034	48	29,948	11,829	18,119	176,999	490,521
2035	49	29,948	10,731	19,217	157,782	490,521
2036	50	29,948	9,567	20,381	137,401	490,521
2037	51	29,948	8,330	21,618	115,783	490,521
2038	52	29,948	7,020	22,928	92,855	490,521
2039	53	29,948	5,630	24,318	68,537	490,521
2040	54	30,007	4,155	25,852	42,685	490,521
2041	55	22,416	2,588	19,828	22,857	490,521
2042	56	17,111	1,386	15,725	7,132	490,521
2043	57	4,759	432	4,327	2,805	490,521
2044	58	1,067	170	897	1,908	490,521
2045	59	1,067	116	951	957	490,521
2046	60	1,015	58	957		490,521
TOTAL:		1,474,153	983,632	490,521		

Town of Dove Creek
Storage Reservoir
June 15, 2021

By: T. Halper

*Estimates are preliminary and may be refined with preliminary design efforts.



PRELIMINARY OPINION OF PROBABLE COST

	ITEM	QUANTITY	UNIT	UNIT PRICE	COST
CONSTRUCTION					
1	Mobilization	1	LUMP	\$ 100,000.00	\$ 100,000.00
2	Clearing & Grubbing	10.5	ACRE	\$ 2,000.00	\$ 21,000.00
3	Scarify & Recompact (Assuming native material is suitable)	10.5	ACRE	\$ 2,000.00	\$ 21,000.00
4	Excavation	60000	CU. YD.	\$ 5.00	\$ 300,000.00
5	Over-Excavation, keyway & foundation prep	9800	CU. YD.	\$ 12.00	\$ 117,600.00
6	Compacted Embankment	51000	CU. YD.	\$ 7.00	\$ 357,000.00
7	Untreated Base Course	350	CU. YD.	\$ 35.00	\$ 12,250.00
8	Misc. Construction Material (Pipe, fittings, valves, controls...)	1	LUMP	\$ 50,000.00	\$ 50,000.00
9	Fencing	2740	LF	\$ 20.00	\$ 54,800.00
10	Seeding	2	ACRE	\$ 1,500.00	\$ 3,000.00
11	Construction Staking	1	LUMP	\$ 10,000.00	\$ 10,000.00
					\$ 1,046,700.00
12	Construction Contingency (20%)	1	LUMP	\$ 209,400.00	\$ 209,400.00
TOTAL PROBABLE CONSTRUCTION COST					\$ 1,256,100.00
MISCELLANEOUS EXPENSES					
1	Site Design, Plan Sheets, & Specifications	1	LUMP	\$ 76,000.00	\$ 76,000.00
2	State Filing Fee	1	LUMP	\$ 9,300.00	\$ 9,300.00
3	Topographic Survey	1	LUMP	\$ 9,000.00	\$ 9,000.00
4	Geotechnical Report (Drilling, sampling, analysis, etc.)	1	LUMP	\$ 100,000.00	\$ 100,000.00
5	Construction Eng., CM & Materials Testing, QA (3 months const.)	1	LUMP	\$ 100,000.00	\$ 100,000.00
TOTAL PROBABLE DESIGN COST					\$ 294,300.00
TOTAL PROBABLE PROJECT COST					\$ 1,560,000.00

In providing estimates of probable construction cost, the Client understands that the Consultant has no control over the cost or availability of labor, equipment or materials, or over market conditions or the Contractor's method of pricing, and that the Consultant's estimates of probable construction costs are made on the basis of the Consultant's professional judgment and experience. The Consultant makes no warranty, express or implied, that the bids or the negotiated cost of the Work will not vary from the Consultant's estimate of probable construction cost.