

# PINON FOREST SPECIAL SERVICE DISTRICT

## WATER CONSERVATION PLAN - 2022

September 30, 2022

Project #: 2206-053

Prepared by:



**Jones & DeMille  
Engineering**

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## 1. INTRODUCTION

Water is an essential resource to many facets of life. Water conservation helps ensure this resource is managed well and ensures that water is available for everyone. Utah as a state, established a conservation goal of 25% by 2025. Recently, the Division of Water Resources (DWR) regionalized the overall state goal to reflect local conditions such as climate, population, and different water uses (see Figure 1). Utah's Regional Municipal and Industrial Water Conservation Goals for Duchesne County is 18%, based on water use from 2015. For Pinion Forest Special Service District (PFSSD), the goal will be to reduce the average water use from 284 gallons per capita per day (gpcd) to about 234 gpcd. Water use reduction goals for Utah by region are illustrated in Figure 1.

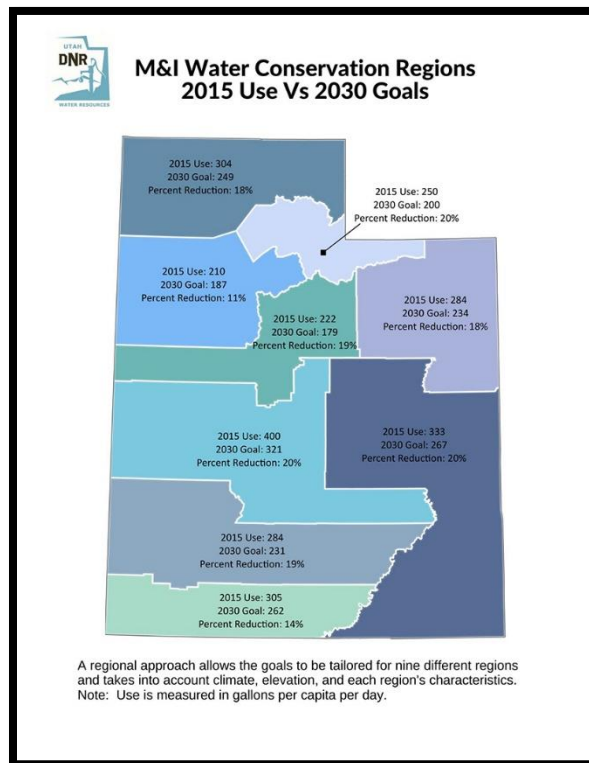


Figure 1 M&I Regional Water Conservation Goals

Providing an adequate supply of culinary water to users is a significant effort for PFSSD. Water conservation practices aid the district in providing culinary water to users of the system. This Water Conservation Plan is being implemented to help ensure that water is available for all users of the system for the near future.

## 2. SYSTEM PROFILE

### 2.1. SERVICE AREA

PFSSD is located on the western end of Duchesne County, Utah. The district was originally formed in 1996 to provide drinking water to the residents of Duchesne County located between Duchesne and Fruitland. The service area for the district is approximately 162 square miles located between Starvation Reservoir, Red Creek, Strawberry River, and the Duchesne River. The district's service area can be seen on Exhibit 1 in Appendix A.

### 2.2. POPULATION PROJECTION

The population of PFSSD is highly variable, and difficult to predict due to the prevalence of domiciles being constructed without permits within PFSSD boundaries. Growth projections were obtained from the Governor's Office of Management and Budget predictions for growth rate within unincorporated Duchesne County. The current number of residents was calculated by multiplying the known number of structures within the district, which is 159, by an average of 3.12 persons per structure. This gives a current population of 496 for the PFSSD.

PFSSD is anticipated to grow at the same rate as Duchesne County. This growth rate is variable and will decrease over time as birth rates and migration decline. By 2045, the PFSSD population is projected to be approximately 575, see Figure 2.

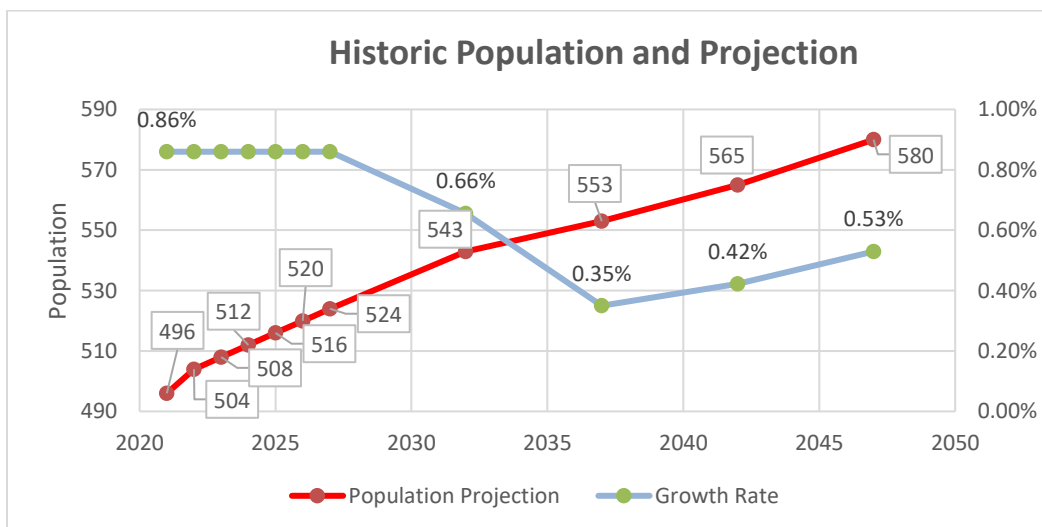


Figure 2 Population Projection

### 2.3. WATER CONNECTIONS

As of 2021, PFSSD does not serve any water connections. Instead, PFSSD serves accounts which are able to receive water for use at the water load out station shown in Appendix A. In 2021, PFSSD had 89 active accounts that they served; however, per county tax records, it is known that there are 159 primary residences and 416 secondary residences within the district boundaries. In order to be more conservative on the calculations of water that the residences within the district could use, the known number of residences will be used for growth projections and water use projections in this water conservation plan.

While PFSSD does not currently serve any connections, the Division of Drinking Water (DDW) does not consider transporting water by residents for culinary use an acceptable permanent arrangement. Because of this, PFSSD has been exploring different options, working toward the goal of water being delivered via pipeline to residents.

### 2.4. WATER USE PROJECTIONS

Currently, there are 89 accounts served by PFSSD consisting entirely of residential users; however, as previously discussed, there are 159 primary residences and 416 secondary residences within the boundary of the district according to property tax records. Per R309-510-7 Source Sizing, the minimum sizing requirements for peak day demand and average yearly demand for indoor water use on a public system is as shown in Table 1.

Table 1 Rule R309-510-7 Source Sizing Requirements

Type of Connection	Peak Day Demand (PDD) (gpd/conn)	Average Yearly Demand (gal/conn)	Connections	PDD Source Capacity (gal)	Average Yearly Demand Source Capacity (ac-ft)
Year Round Residential	800	146,000	159	127,200	71.24
Recreational Home Development	400	96,000*	416	166,400	122.56

\*calculated assuming 240 days per year.

Typically, for planning purposes, ERCs are used to define the capacities of system components. Due to the fact that the PFSSD lacks any physical connections, ERCs have not been used to project future water demands. Instead, future demands for this system were projected by determining the population projection and multiplying it by the gallons per capita per day that the district is currently experiencing. It was assumed that the future water demands would grow at the same rate as the population of the district.

The gallons per day per account obtained from the data provided by PFSSD was then equated to the total number of permanent residences within the district to account for the use that could be seen by

the district if every permanent residence began using the load out station for their primary source of water. Additionally, it was assumed that each of the secondary residences uses half of the amount of water that a primary residence uses for the purpose of the water use projections.

Figure 3 shows the projected demand on the system to the year 2050.

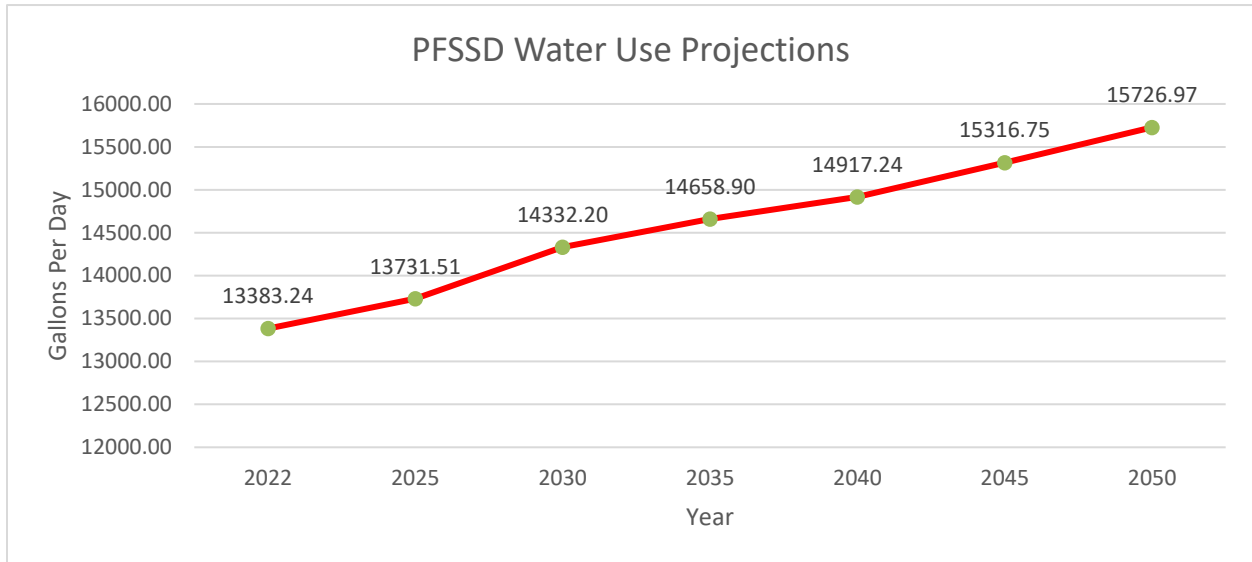


Figure 3 Projected Water use

## 2.5. CURRENT WATER SUPPLY

### 2.5.1. EXISTING WATER RIGHT CAPACITY

PFSSD uses water produced by the PFSSD Well #1. Water Rights associated with this source is shown in Table 1. As shown in Table 1 in section 2.4, PFSSD currently does not have sufficient water rights per Rule 309-510-7; however, the water rights are far sufficient based off of past use data. See Appendix B for Water Right Information.

Table 2 - Water Rights

WR No.	Source	Volume (ac-ft)	Proof Due Date	Link
<b>43-12740</b>	Pinion Forest Well No. 1	60	4/30/2020	<a href="#">43-12740</a>

### 2.5.2. SOURCE PHYSICAL CAPACITY

A water source's capacity to provide water is based on the safe yield capacity. The safe yield capacity is determined by the type of source the water comes from. The safe yield capacity will be used as the reliable capacity for the system. In the district's situation, the only source they currently have is a well located on the north side of Highway 40 near the intersection of Slevwood Road.

To identify a well’s ability to provide water for a system, a well’s safe yield is established. The Division of Drinking Water considers two-thirds of the pumping rate from the aquifer drawdown test or well capacity as the safe yield of the well.<sup>1</sup> The capacity of the well is 128 gallons per minute (gpm), so the safe yield capacity of the underground well is 85 gpm. Currently, the actual pumping rate for the district is 80 gpm. See Appendix C for information pertaining to the well obtained from the PFSSD Water Master Plan.

The water source for PFSSD satisfies the demand within the system as shown in Table 2 below.

Table 3 Source Capacity Summary

Source	Well/Spring Capacity (gpm)	Safe Yield Capacity (gpm)	Reliable Capacity (ac-ft/yr)
Well	128	85	206.47

## 2.6. WATER USE

PFSSD reports water usage each year to the Division of Water Rights, and the last four years of data is summarized below in Table 3. Based on water usage from 2021, the average water usage per capita per day is approximately 4 gallons.

Table 4. Water usage per capita day.

Year	Population*	Total Use (acre-feet/year)	Conversion (acre-feet/year to gpm)	Gallons per Capita-Day
2021	278	2.32	2,071.17	7
2020	276	2.12	1,892.62	7
2019	273	2.54	2,267.57	8
2018	271	3.61	3,222.80	12

\*The population is based off the number of accounts from data provided by PFSSD and not the number of structures within the district boundaries.

## 2.7. SUPPLY VS. USE COMPARISON

Comparing water supply versus water usage in Figure 4, it can be seen that PFSSD has enough water supply to provide water for the projected water demands through 2050. However, if PFSSD converts

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<sup>1</sup> UAC R309-515-6(10)(c) states: “If the aquifer drawdown test data show that the drawdown has stabilized, the Director will consider 2/3 of the pumping rate used in the constant-rate test as the safe yield of the well. The safe yield is used to determine the number of permanent residential connections or ERCs that a well source can support.”



from water hauling to delivery directly to residences through waterlines, they would need to assess the supply vs. water use again at that time.

## Water Comparison

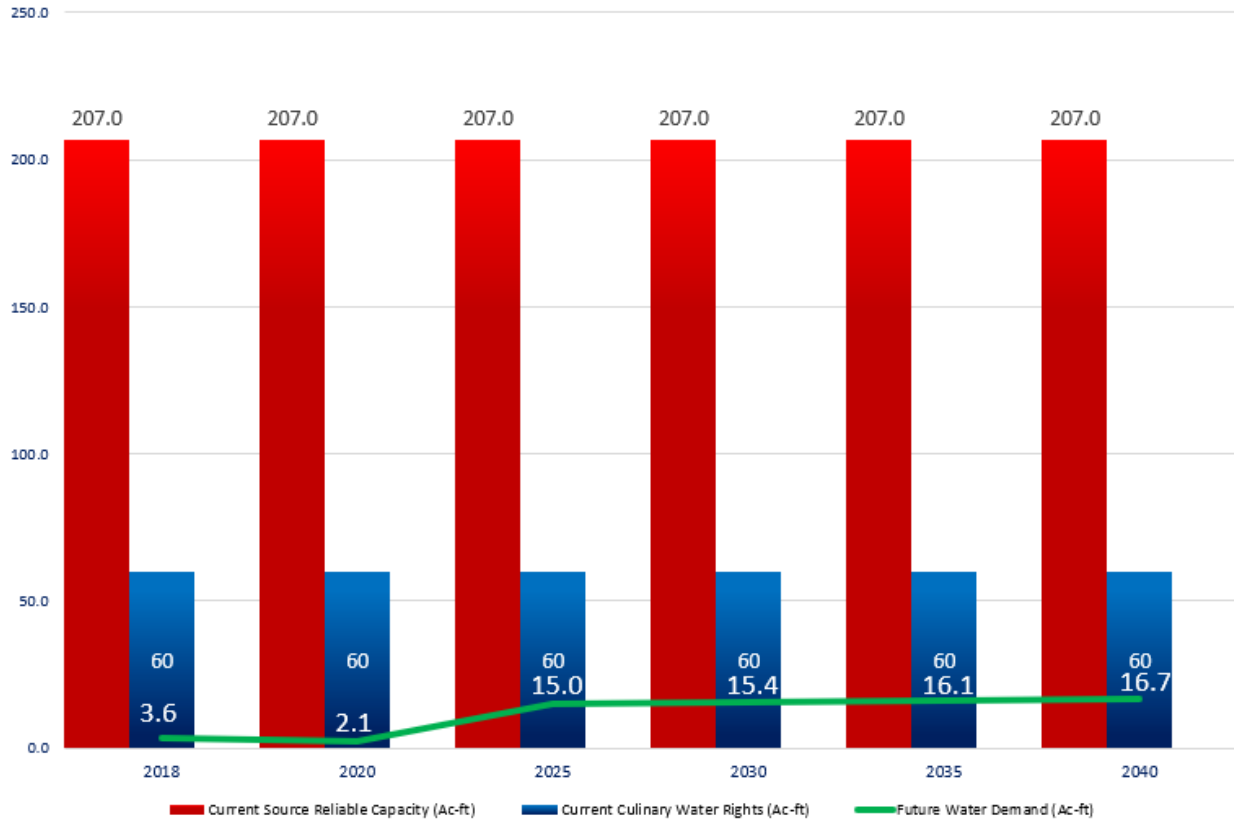


Figure 4 Water Supply vs Demand Comparison

### 3. SYSTEM WATER LOSS CONTROL

#### 3.1. LEAK DETECTION AND REPAIR METHODS

Due to the lack of pipe infrastructure within PFSSD, any leaks within piping must occur at the water load-out station. Contact information for PFSSD is available at the load-out station to allow for any problems at the station to be reported to the water system operator. The water system operator possesses the needed skills to repair any leaks that are found at the water load-out system.

#### 3.2. WATER LOSS

Any water lost within the PFSSD system must occur at the water load-out station. Due to the closed nature of the water load-out station, any water loss can be considered negligible.

### 3.3. CURRENT WATER MEASUREMENT METHODS

All water which is dispensed at the water load-out system is metered at the load-out station. These measurements are then recorded, and water that is served to a user is charged to that user’s account.

## 4. BILLING

The current pricing structure for users of the PFSSD system is shown below.

Table 5 – PFSSD Rate Structure

Schedule	Rate	Gallons	Notes
<b>Base Fee</b>	\$45.00	8,000	
<b>Tier 1</b>	\$3 per 1,000 gallons	8,000+	Overages applied year-round.

## 5. WATER USE PER CAPITA

Since 2018, water usage for PFSSD has decreased from about 7 gpcd to 4 gpcd, see Figure 5. Since 2018, the average water usage per capita per day is 5 gallons, well under the region goal of 234 gpcd.

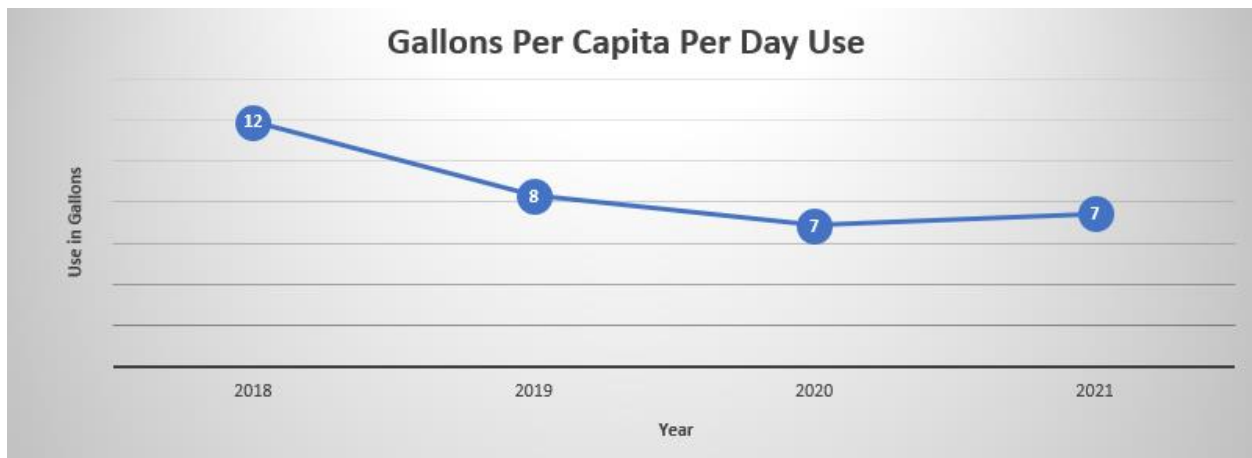


Figure 5 Water Usage per Capita Per Day

## 6. CONSERVATION PRACTICES

### 6.1. WATER CONSERVATION GOAL

Utah’s Regional Municipal and Industrial Water Conservation Goals for Duchesne County is to reduce the average water use from 284 gallons per capita per day (gpcd) to about 234 gpcd. Currently PFSSD is meeting this goal.

## 6.2. CONSERVATION PRACTICES

PFSSD does not currently have a water conservation plan but plans to adopt this new plan once it is finished. PFSSD board has met and discussed possible ways they feel the district could maintain current water use. They are as follows:

- Educate water system users of conservation practices.
- Periodical checks and maintenance on the condition of the water load-out system to prevent or repair leaks.

## 6.3. IMPLEMENTING AND UPDATING THE WATER CONSERVATION PLAN

This Water Conservation Plan will be adopted by the PFSSD board, who will have the responsibility to coordinate and carryout the water conservation program measures. The meeting minutes adopting the water conservation plan, and the chairman’s signature can be found in Appendix B.

The water conservation plan will be revised and updated as required to meet changing conditions and needs. This plan will also be updated and resubmitted to the Utah Division of Water Resources in 2027.

## 6.4. CONTACT INFORMATION

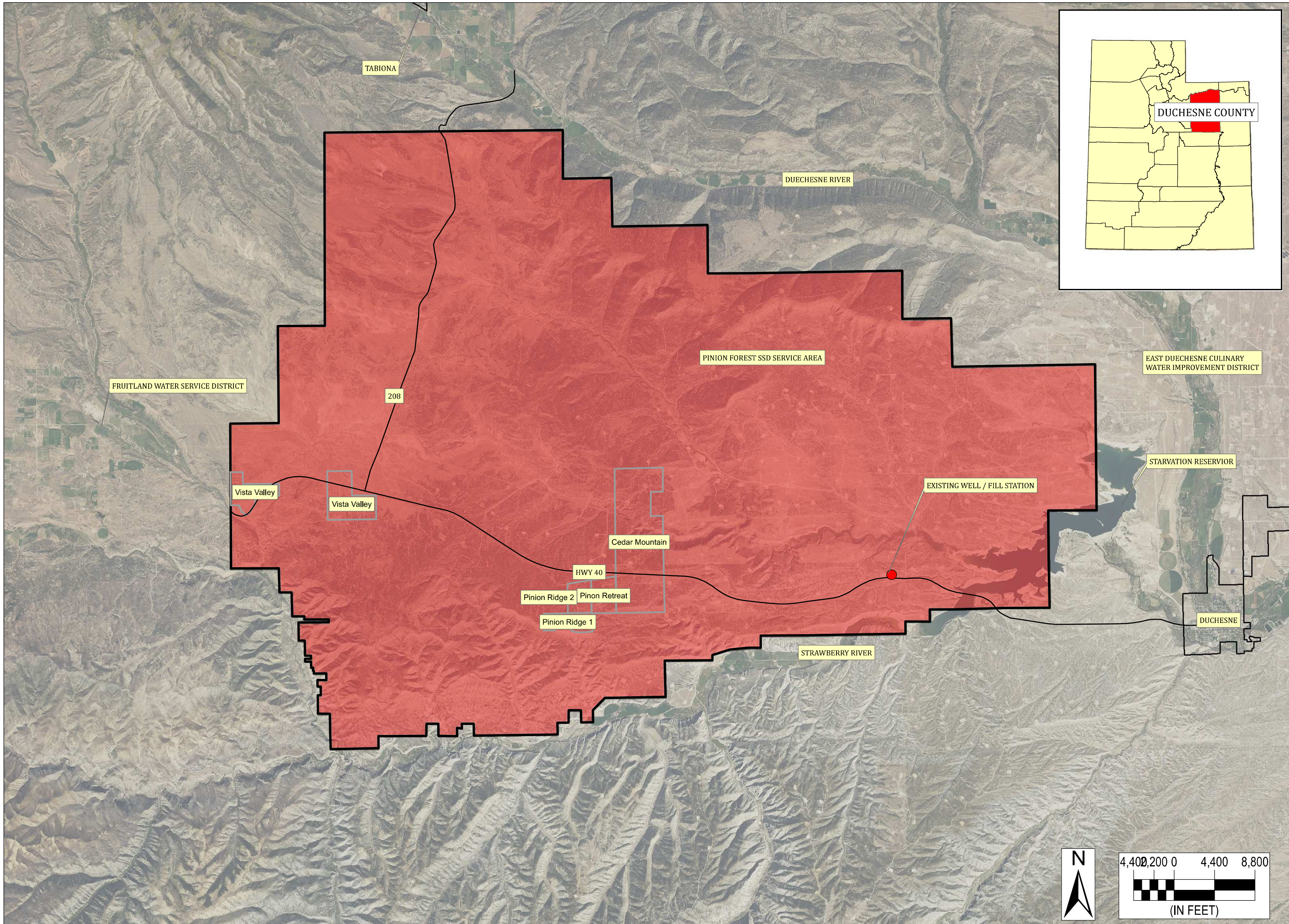
Those involved with the adoption and implementation of this plan are:

Chairperson	Melissa Hughes
Board Member	Tim Nowacki
Board Member	Corey Biesinger
Board Member	Commissioner Greg Miles
Secretary	Theresa Welborn
Water Operator	Clyde Watkins

The Water Management and Conservation Plan will be reviewed and updated, if necessary, every 5 years from the date of adoption.

**APPENDIX A. SYSTEM MAP**





**RICHFIELD**

225 N 100 EAST  
 Richfield, UT, 84071  
 Phone: 435.896.2983  
 Fax 435.865.7318

**SALT LAKE**

Phone 801.255.0529

**CEDAR CITY**

Phone 435.865.1453

**LAYTON**

Phone 801.547.1100

**TOOELE**

Phone 435.843.3590

[WWW.ENSIGNENG.COM](http://WWW.ENSIGNENG.COM)

FOR:  
 PINION FOREST SSD  
 P.O. BOX  
 DUCHEсне, UTAH 84021

CONTACT:  
 LINDA NORTINGTON  
 PHONE: 435.738.5527  
 FAX:

**PINION FOREST WATER DISTRICT**

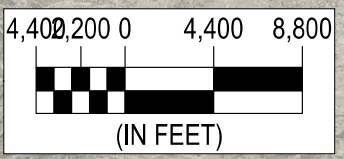
**DUCHEсне, UTAH**

NO.	DATE	REVISION FOR REVIEW	BY
1			
2			
3			
4			
5			
6			
7			
8			

**VICINITY MAP**

PROJECT NUMBER: 9210200  
 PRINT DATE: 9/21/2020  
 DRAWN BY: K. MARCHANT  
 CHECKED BY: K. CHAPPELL  
 PROJECT MANAGER: K. CHAPPELL

**EX-001**





## APPENDIX B. WATER RIGHTS

**Water Right Details for 43-12800**

Utah Division of Water Rights

9/18/2020 10:39 AM

(WARNING: Water Rights makes NO claims as to the accuracy of this data.)

Water Right: 43-12800

Application/Claim: A4032

Certificate: 695

<b>Changes:</b>		
a41234	(Filed: 11/23/2015)	Approved
<b>Owners:</b>		
Name: Pinion Forest Special Service District		
Address: PO Box 38		
Duchesne UT 84021		
Remarks:		Interest:
<b>General:</b>		
Type of Right: Application To Appropriate	Source of Info.: Ownership Segregation	Status: Certificated
Quantity of Water: 0.214 CFS OR 60 ACFT		
Source: Currant Creek		
County: Duchesne		
Common Description: Fruitland		
Proposed Det. Book: 43-1	Map:	Pub. Date:
Land Owned by Appl.:	County Tax Id#:	
Distribution System:		
<b>Dates:</b>		
Filing:		
Filed: 06/02/1911	Decree/Class:	
Priority: 06/02/1911		
Advertising:		
Publication Began: 10/20/1911	Publication End:	Newspaper:
Protest End Date:	Protested: Not Protested	Hearing Held:
Approval:		
State Eng. Action: Approved	Action Date: 06/12/1912	
Recon. Req. Date:	Recon. Req Action:	
Certification:		
Proof Due Date: 01/01/1918	Extension Filed Date:	
Election or Proof: Proof	Election/Proof Date: 12/26/1917	
Certificate Date: 02/16/1918	Lapsed, Etc. Date:	Lapsed Letter
Wells:		
Prov. Well Date:	Well Renov. Date:	





# Water Master Plan Study PFSSD

Select Related Information

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 09/18/2020 Page 1

CHANGE: **a41234** WATER RIGHT: [43-12800](#) CERT. NO.: AMENDATORY? No COUNTY TAX ID#: BASE WATER RIGHTS: [43-12800](#) RIGHT EVIDENCED BY: 43-12800(A4032) CHANGES: Point of Diversion [X], Place of Use [X], Nature of Use [X], Reservoir Storage [ ], Split Season [ ].

NAME: Pinion Forest Special Service District  
 ADDR: PO Box 38  
 Duchesne UT 84021

REMARKS:

\*\*\*\*\* DATES, ETC. \*\*\*\*\*  
 FILED: 11/23/2015 PRIORITY: 11/23/2015 ADV BEGAN: 12/15/2015 ADV ENDED: 12/22/2015 NEWSPAPER: Uintah Basin Standard  
 ImpairDesig[NO ] IMP NOTICE:  
 Water Rights which the State Engineer has Identified may Experience Quantity Impairment:  
 ProtestEnd:01/11/2016 PROTESTED: [No ] HEARNG HLD: [SE ACTION: [Approved] ActionDate:08/17/2016 PROOF DUE: 08/31/2021  
 EXTENSION: [ELEC/PROOF:[ ] ELEC/PROOF: [CERT/WUC: [LAP, ETC: [LAPS LETTER:  
 RUSH LETTR: [RENOVATE: 09/01/2016 RECON REQ: [TYPE: [ ]

\*STATUS LINE  
 Status: Approved  
 Related Distribution System: 15-DUCHESNE-STRAWBERRY (VERNAL)  
 \*\*\*\*\* H E R E T O F O R E \*\*\*\*\* H E R E A F T E R \*\*\*\*\*

FLOW: 0.084 cfs OR 60.0 acre-feet	FLOW: 0.214 cfs OR 60.0 acre-feet
SOURCE: Currant Creek	SOURCE: Underground Water Well (existing)
COUNTY: Duchesne	COUNTY: Duchesne COM DESC: 4 miles west of Duchesne
	The approval of this change application limited this water right to the diversion of 0.214 cfs or 60 acre-feet and a depletion of 30.11 acre-feet.
	Water will be used within the service area of the Pinion Forest Special Service District.

POINT(S) OF DIVERSION -----> <a href="#">MAP VIEW****</a>	CHANGED AS FOLLOWS: (Click Location link for WRPLAT)
Point Surface: (1) S 1507 ft W 1200 ft from NW cor, Sec 25, T 3S, R 9W, USBM Dvrtng Wks: Dickerson ditch Source:	
Point Underground:	UNDERGROUND: (Click Link for PLAT data, Well ID# link for data.) (1) S 1339 ft W 1715 ft from NE cor, Sec 35, T 3S, R 6W, USBM Diameter: 6 ins. Depth: 600 to ft. WELL ID#: 440246 COMMENT: Replacement Well
Underground (ABANDONED):	(1) S 1425 ft W 1650 ft from NE cor, Sec 35, T 3S, R 6W, USBM Diameter: 6 ins. Depth: 275 to ft. WELL ID#: 432339 COMMENT: Drilled under 43-12166(Lapsed)

PLACE OF USE ----->	CHANGED as follows:
--NW-- --NEX-- --SW-- --SEX--  N N S S   N N S S   N N S S   N N S S   W E W E   W E W E   W E W E   W E W E	--NW-- --NEX-- --SW-- --SEX--  N N S S   N N S S   N N S S   N N S S   W E W E   W E W E   W E W E   W E W E
Sec 25 T 3S R 9W USBM	

NATURE OF USE ----->	CHANGED as follows:
IRR = values are in acres. STK = values are in ELUs meaning Cattle or Equivalent. DOM = values are in EDUs meaning Equivalent Domestic Units (or Families).	
SUPPLEMENTAL to Other Water Rights: Yes	SUPPLEMENTAL to Other Water Rights: No
IRR: 15.0000 and 21.8000 Group Total USED 05/01 - 10/15	
	MUN: Pinion Forest Special Service District USED 01/01 - 12/31

\*\*\*\*\* E N D O F D A T A \*\*\*\*\*

**Water Right Details for 43-12740**

Utah Division of Water Rights

1/29/2020 9:04 AM

(WARNING: Water Rights makes NO claims as to the accuracy of this data.)

Water Right: 43-12740

Application/Claim: A78275

Certificate:

<b>Owners:</b>		
Name: Pinion Special Service District		
Address: c/o Linda Northington		
PO Box 38		
Duchesne UT 84021		
Remarks:		Interest:
<b>General:</b>		
Type of Right: Application To Appropriate	Source of Info.: Application to Appropriate	Status: Approved
Quantity of Water: 1.45 ACFT		
Source: Underground Water Well (existing/provisional)		
County: Duchesne		
Common Description: 4 miles west of Duchesne		
Proposed Det. Book: 43-	Map:	Pu . Date:
Land Owned y Appl.: Yes	County Tax Id#:	
Distri tion System:		
<b>Dates:</b>		
Filing:		
Filed: 12/15/2014		Decree/Class:
Priority: 12/15/2014		
Advertising:		
Pu lication Began:	Pu lication End:	Newspaper:
Protest End Date:	Protested:	Hearing Held:
Approval:		
State Eng. Action: Approved		Action Date: 04/20/2015
Recon. Req. Date:	Recon. Req Action:	
Certification:		
Proof Due Date: 04/30/2020	Extension Filed Date:	
Election or Proof:	Election/Proof Date:	
Certificate Date:	Lapsed, Etc. Date:	Lapsed Letter
Wells:		
Prov. Well Date:	Well Renov. Date:	
<b>Points of Diversion:</b>		
Points of Diversion - Underground:		
(1) S 1425 ft. W 1650 ft. from NE corner, Sec 35 T 3S R 6W USBM		
Well Diameter: 6 in.	Depth: 270 to ft.	Year Drilled: 2009 Well Log: Yes Well Id#:
Elevation:	UTM: 540276.054, 4447826.412 (NAD83)	
Source/Cmnt: drilled under 43-12166		

Water Master Plan Study PFSSD

<b>Water Uses:</b>																	
<b>Water Uses - Group Number: 636722</b>																	
Water Rights Appurtenant to the following use(s):																	
43-12740(APP),																	
Water Use Types:																	
Irrigation-Beneficial Use Amount: 0.25 acres    Group Total: 0.25    Period of Use: 04/01 to 10/31																	
Comments:																	
Domestic-Beneficial Use Amount: 1 EDUs    Group Total: 1    Period of Use: 01/01 to 12/31																	
Comments:																	
Place Of Use:	North West				North East				South West				South East				Section
	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE	Totals
Sec 35 T 3S R 6W USBM							0.25										0.25
Group Acreage Total :																0.25	

<b>Use Totals:</b>	
Irrigation sole-supply total: 0.25 acres	for a group total of: 0.25 acres
Domestic sole-supply total: 1 EDUs	for a group total of: 1 EDUs

<b>Other Comments:</b>
Lot 2 - Mountains West Subdivision.

<b>Segregation History:</b>										
This Right was Segregated from: none										
as originally filed:	Flow in CFS	AND/OR/ BLANK	Quantity in Acre-Feet	Water Uses						
				Irrigated Acreage	Stock (ELUs)	Domestic (EDUs)	Acre-Feet			
			1.45	0.25		1.0				
This Right as currently calculated:	Flow in CFS		Quantity in Acre-Feet	Water Uses						
				Irrigate Acreage	Stock (ELUs)	Domestic (EDUs)	Acre-Feet			
			1.45	0.25		1.0				



GARY R. HERBERT  
*Governor*  
SPENCER J. COX  
*Lieutenant Governor*

**State of Utah**  
**DEPARTMENT OF NATURAL RESOURCES**  
**Division of Water Rights**

MICHAEL R. STYLER      KENT L. JONES  
*Executive Director*      *State Engineer/Division Director*

APR 20 2015

**ORDER OF THE STATE ENGINEER**

**For Application to Appropriate Water Number 43-12740 (A78275)**

Application to Appropriate Water Number 43-12740 (A78275) in the name of Pinion Special Service District, was filed on December 15, 2014, to appropriate 1.45 acre-feet (af) of water from a well located South 1425 feet and West 1650 feet from the NE Corner of Section 35, T3S, R6W, USB&M (existing 6-inch well, 275 feet deep). The water is to be used for the irrigation of 0.25 acre from April 1 to October 31; and year-round, indoor, domestic requirements of 1.00 equivalent domestic unit. The water is to be used in all or portion(s) of Section 35, T3S, R6W, USB&M.

Notice of this application to appropriate water was not published in a newspaper. It is the opinion of the State Engineer that it meets the criteria of Section 73-3-5.6 of the Utah Code which allows applications for a small amount of water to be approved by the State Engineer without publishing a notice of application.

It is the opinion of the State Engineer that there is unappropriated water that can be developed under this application and that this application can be approved without impairing existing water rights. The applicant is put on notice that diligence must be shown in pursuing the development of this application which can be demonstrated by the completion of the project as proposed in the application.

It is, therefore, **ORDERED** and Application to Appropriate Water Number 43-12740 (A78275) is hereby **APPROVED** subject to prior rights and with the condition that this application must be totally developed and placed to beneficial use on or before the noted proof due date, which is at least five years from the date of approval. Extensions of time will only be considered under unusual circumstances.

This application is also approved according to the conditions of the current appropriation policy guidelines for the Colorado River Drainage, adopted March 7, 1990.

The applicant is strongly cautioned that other permits may be required before any development of this application can begin and it is the responsibility of the applicant to determine the applicability of and acquisition of such permits. Once all other permits have been acquired, this is your authority to develop the water under the above referenced application which under Sections 73-3-10 and 73-3-12, Utah Code Annotated, 1953, as amended, must be diligently prosecuted to completion. The water must be put to beneficial use and proof must be filed on or before April 30, 2020, or a request for extension of time must be acceptably filed; otherwise the application will be lapsed. This approval is limited to the rights to divert and beneficially use water and does not grant any rights of access to, or use of land or facilities not owned by the applicant.

ORDER OF THE STATE ENGINEER  
Application to Appropriate Water Number  
43-12740 (A78275)  
Page 2

When the work is complete, an Affidavit of Beneficial Use may be submitted by an applicant without hiring a proof professional if it qualifies under statute. An affidavit qualifies if all of the following criteria are met:

- The water right is associated with a residence, either full- or part-time. (NOTE: Any irrigation or stock use on the affidavit must be associated with the residence.)
- The water use is for a quarter acre of irrigation or less.
- The water use is for the watering of ten head of livestock (or equivalent) or less.
- The water use does not include any uses in addition to the three listed above.

As noted, this approval is granted subject to prior rights. The applicant shall be liable to mitigate or provide compensation for any impairment of or interference with prior rights as such may be stipulated among parties or decreed by a court of competent jurisdiction.

Proof of beneficial use is evidence to the State Engineer that the water has been fully placed to its intended beneficial use. By law, it must be prepared by a registered engineer or land surveyor, who will certify to the location, uses and extent of your water right.

Upon the submission of proof as required by Section 73-3-16, Utah Code, for this application, the applicant must identify every source of water used under this application and the amount of water used from that source. The proof must also show the capacity of the sources of supply and demonstrate that each source can provide the water claimed to be diverted under this right as well as all other water rights which may be approved to be diverted from those sources.

Failure on your part to comply with the requirements of the applicable statutes may result in the lapsing of this Application to Appropriate Water.

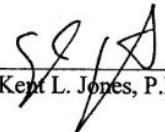
**It is the applicant's responsibility to maintain a current address with this office and to update ownership of their water right. Please notify this office immediately of any change of address or for assistance in updating ownership.**

Your contact with this office, should you need it, is with the Eastern Regional Office. The telephone number is 435-247-1514.

ORDER OF THE STATE ENGINEER  
Application to Appropriate Water Number  
43-12740 (A78275)  
Page 3

This Order is subject to the provisions of Administrative Rule R655-6-17 of the Division of Water Rights and to Sections 63G-4-302, 63G-4-402, and 73-3-14 of the Utah Code which provide for filing either a Request for Reconsideration with the State Engineer or an appeal with the appropriate District Court. A Request for Reconsideration must be filed with the State Engineer within 20 days of the date of this Order. However, a Request for Reconsideration is not a prerequisite to filing a court appeal. A court appeal must be filed within 30 days after the date of this Order, or if a Request for Reconsideration has been filed, within 30 days after the date the Request for Reconsideration is denied. A Request for Reconsideration is considered denied when no action is taken 20 days after the Request is filed.

Dated this 20<sup>th</sup> day of April, 2015.

  
Kent L. Jones, P.E., State Engineer

Mailed a copy of the foregoing Order this 20<sup>th</sup> day of April, 2015 to:

Pinion Special Service District  
c/o Linda Northington  
PO Box 38  
Duchesne, UT 84021

BY:   
Sonia R. Nava, Applications/Records Secretary

APPENDIX C. WELL DATA







# Water Master Plan Study PFSSD

Construction Information										
DEPTH (feet)		CASING			DEPTH (feet)		SCREEN PERFORATIONS			OPEN BOTTOM
FROM	TO	CASING TYPE AND MATERIAL/GRADE	WALL THICK (in)	NOMINAL DIAM. (in)	FROM	TO	SCREEN SLOT SIZE OR PERF SIZE (in)	SCREEN DIAM. OR PERF LENGTH (in)	SCREEN TYPE OR NUMBER PERF (per round/interval)	
0	34	Steel	250	14"						
0	600	Steel	250	8 7/8"			temp casing pulled out			
							SEE attached sheet			

Well Head Configuration: well cap welded Access Port Provided?  Yes  No  
 Casing Joint Type: welded Perforator Used: \_\_\_\_\_  
 Was a Surface Seal Installed?  Yes  No Depth of Surface Seal: 210' feet Drive Shoe?  Yes  No  
 Surface Seal Material Placement Method: slurry pipe  
 Was a temporary surface casing used?  Yes  No If yes, depth of casing: 34' feet diameter: 14" inches

DEPTH (feet)		SURFACE SEAL / INTERVAL SEAL / FILTER PACK / PACKER INFORMATION		
FROM	TO	SEAL MATERIAL, FILTER PACK and PACKER TYPE and DESCRIPTION	Quantity of Material Used (if applicable)	GROUT DENSITY (lbs./gal., # bag mix, gal./sack etc.)
0	130	Neat Cement	23	6 60# water per sack
130	150	Bentonite Chips	10 SACKS	SACK
0	9	Hole plug	15 SACKS	6 60# water per sack
150	600	Gravel pack	10 cu yds	

### Well Development and Well Yield Test Information

DATE	METHOD	YIELD	Units Check One		DRAWDOWN (ft)	TIME PUMPED (hrs & min)
			GPM	CFS		
11-3-4 - 7-8-16	pump test	128	X		20'	40 min

### Pump (Permanent)

Pump Description: Submersible Horsepower: 10 Pump Intake Depth: 240' feet  
 Approximate Maximum Pumping Rate: 128 Well Disinfected upon Completion?  Yes  No

Comments: Description of construction activity, additional materials used, problems encountered, extraordinary circumstances, abandonment procedures. Use additional well data form for more space.

SCANNED

### Well Driller Statement

This well was drilled and constructed under my supervision, according to applicable rules and regulations, and this report is complete and correct to the best of my knowledge and belief.

Name: ROSS DRILLING & CONSTRUCTION INC

License No. 346

Signature: M. J. Senfor

Date: Dec 20, 2016

**DETAILED LITHOLOGIC LOG  
PIÑON FOREST WELL**

Depth		Formation	Description
From	To		
0	5	GM	Tan to light brown silty very fine to medium sandy gravel, dry
5	15		Light gray silty limestone
15	25		Cuttings grade to fine sand size
25	35		Medium gray silty limestone
35	40		Medium gray siltstone, trace of limestone, hard
40	50		Medium gray calcareous claystone, soft
50	60		Medium gray silty limestone, hard, fractured
60	65		Medium gray silty limestone with some claystone and shale
65	70		Medium gray calcareous siltstone, hard
70	75		Medium to dark gray shale with some calcareous siltstone
75	80		Medium gray calcareous siltstone with trace of claystone
80	85		Grades with some medium brown calcareous siltstone
85	90		Medium gray siltstone, hard
90	100		Dark gray shale, fissile, hard
100	105		Dark brown to medium gray siltstone, fractured
105	110		Dark gray siltstone (85%) with light gray fine-grained sandstone.
110	115		Light to medium gray shaley siltstone
115	120		Medium to dark gray shale
120	125		White to light gray limestone
125	130		Dark gray calcareous shale, platy, fissile
130	150	Medium gray shaley siltstone	
150	155	Grades calcareous	
155	160	Tan to light gray to dark gray siltstone and shaley siltstone	
160	165	Tan to light gray limestone	
165	170	Light to medium gray shaley siltstone	
170	175	Grades calcareous	
175	180	Tgsl	Dark gray calcareous shale
180	185		Dark gray shale with some light brown calcareous siltstone
185	190		Medium to dark brown calcareous siltstone and dark gray shale
190	195		Dark gray siltstone
195	200		Dark gray siltstone (50%) and white to light gray limestone (50%)
200	205		Medium brown to medium gray siltstone, slightly calcareous
205	220		Light to dark gray siltstone
220	235		Medium gray siltstone, shaley, hard, fractured
235	245		Medium gray fine sandstone
245	250		Making 60 gpm at 248 feet
250	260		Medium gray fine sandstone
260	265		Dark gray siltstone
265	270		Dark gray limestone (70%) with tannish gray limestone (25%) and 5% brown shale.
270	275		Dark gray limey siltstone (70%) with 30% tan calcareous mudstone.
275	280		Dark gray limey siltstone (80%) with 20% tan calcareous fine-grained sandstone.
280	285	50% tan calcareous fine-grained sandstone with 50% dark gray limestone, trace shale.	
285	290	Tan fine-grained calcareous sandstone (80%) with dark gray fine-grained sandstone, trace dark brown shale.	
290	295	Dark gray calcareous siltstone (60%) with medium gray fine-grained calcareous sandstone, trace tan sandstone.	
295	300	Dark gray shale (80%) with dark gray fine-grained sandstone.	

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**DETAILED LITHOLOGIC LOG  
PIÑON FOREST WELL**

Depth		Formation	Description
From	To		
300	305	Tgsl	Dark gray limestone (50%) with dark gray shale and some medium gray fine-grained sandstone.
305	310		Medium dark gray fine-grained calcareous sandstone (60%) with dark gray siltstone.
310	315		Dark gray shale and siltstone with dark blue gray shale.
315	320		Dark gray fine-grained calcareous sandstone and limestone with light gray fine-grained sandstone and some shale.
320	325		Dark gray siltstone (85%) with light gray fine-grained sandstone.
325	340		Medium light gray fine-grained sandstone.
340	345		Medium dark gray limey siltstone.
345	350		Medium dark gray siltstone with medium gray-brown limey siltstone.
350	355		Medium dark gray siltstone (65%) with brown-gray limestone.
355	360		Brown-gray limestone (75%) with medium gray fine-grained calcareous sandstone.
360	365		Medium gray fine-grained calcareous sandstone (60%) with brown gray limestone.
365	370		Medium gray fine-grained sandstone.
370	375		Medium gray siltstone.
375	380		Medium gray siltstone (50%) with fine-grained sandstone.
380	385		Dark medium gray calcareous siltstone.
385	390		Dark medium gray shale.
390	395		Brown-gray limestone (33%), medium gray fine-grained sandstone (33%) and medium dark gray shale.
395	400		Medium gray and dark gray shale, trace medium light gray clay.
400	410		Medium dark gray siltstone and shale.
410	430		Medium gray fine-grained calcareous sandstone (70%) with medium dark gray shale.
430	435		Medium gray shale and siltstone.
435	440		Medium gray shale with some siltstone.
440	445		Medium gray fine-grained sandstone.
445	460		Medium gray fine-grained sandstone (50%) with siltstone.
460	465		Medium gray siltstone.
465	470		Medium gray siltstone (60%) with fine-grained medium gray sandstone.
470	475		Medium brown-gray sandy limestone (50%) with medium dark gray siltstone.
475	485		Medium gray fine-grained calcareous sandstone.
485	495		Medium gray fine-grained sandstone with medium gray siltstone.
495	510		Medium gray fine-grained sandstone.
510	515	Medium gray fine-grained sandstone with some siltstone.	
515	525	Medium gray fine-grained sandstone and siltstone with 15% gray-brown limestone.	
525	535	Medium gray fine-grained sandstone and siltstone.	
535	555	Medium gray fine-grained sandstone and siltstone with 20% gray-brown limestone.	
555	565	Medium dark gray siltstone and shale with medium gray fine-grained sandstone (30%).	
565	600	Medium dark gray siltstone and shale with medium gray fine-grained sandstone (30%) and 5% brown-gray limestone.	

Notes:

Logged by John S. Brown, P.G. and Neil Burk, P.G. of Loughlin Water Associates, LLC.

GM = Silty gravel:

Tgsl = Sandstone and limestone facies of the Green River Formation.

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Casing Tally Location Pinon Ridge Forest

Size 6" Weight \_\_\_\_\_ Grade \_\_\_\_\_ Rig 2C Authorized \_\_\_\_\_

CPLG	Range		MFG		FT	10TH	FT	10TH
	FT	10TH	FT	10TH				
Shoe	00	30	27		55		83	
Slotted 1	40	28	28	Centr bottom	56	Joint	84	
Float Collar			29		57		85	
Solid 2	10	00	<del>30</del>		58		86	
Slotted 3	40	28	31	Centr bottom	59	Joint	87	
Solid 4	20	00	<del>32</del>		60		88	
Slotted 5	20	00	<del>33</del>	Centr bottom	61	Joint	89	
Solid 6	30	08	34	Centr bottom	62	Joint	90	
Slotted 7	40	28	35	Centr bottom	63	Joint	91	
Solid 8	40	18	36	Centr bottom	64	Joint	92	
Solid 9	20	23	37		65		93	
Slotted 10	20	00	38	Centr bottom	66	Joint	94	
Solid 11	10	30	39		67		95	
Slotted 12	20	28	40	Centr bottom	68	Joint	96	
Solid 13	40	22	41	Centr bottom	69		97	
Solid 14	20	34	42	Centr bottom	70		98	
Slotted 15	20	20	43		71		99	
Solid 16	40	23	44	Centr bottom	72		100	
" 17	40	22	45	Centr bottom	73		101	
" 18	40	03	46	Centr bottom	74		102	
" 19	40	23	47	Centr bottom	75		103	
" 20	40	23	48	Centr bottom	76		104	
" 21	10	04	49		77		105	
22			50		78		106	
23			51		79		107	
24			52		80		108	
25			53		81		109	
26			54		82		110	
Total	604	00	Total		Total		Total Casing Tally	

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Casing Tally Location Pinon Ridge Forest

Size 6" Weight \_\_\_\_\_ Grade \_\_\_\_\_ Rig 26 Authorized \_\_\_\_\_

CPLG	Range		MFG		FT	10TH	FT	10TH	FT	10TH	
	FT	10TH	FT	10TH							
Shoe					27				55		83
1	40	24			28				56		84
Float Collar					29				57		85
2	40	22			30				58		86
3	40	23			31				59		87
4	40	22			32				60		88
5	40	08			33				61		89
6	40	23			34				62		90
7	40	10			35				63		91
8	40	23			36				64		92
9	40	30			37				65		93
10	40	30			38				66		94
11	40	28			39				67		95
12	40	28			40				68		96
13	40	28			41				69		97
14	40	28			42				70		98
15	40	18		605.	45				71		99
16	40	23		645	68				72		100
17	40	08		685	76				73		101
18					46				74		102
19					47				75		103
20					48				76		104
21					49				77		105
22					50				78		106
23					51				79		107
24					52				80		108
25					53				81		109
26					54				82		110
Total				Total			Total		Total Casing Tally		RECEIVED DEC 23 2010

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# WELL DRILLER'S REPORT

State of Utah  
Division of Water Rights

For additional space, use "Additional Well Data Form" and attach

<b>Well Identification</b>	Water Right: 43-12166	WIN: 432339
----------------------------	-----------------------	-------------

<b>Owner</b> <small>Note any changes</small>	Mountains West Ranches P. O. Box 420 Duchesne, UT 84021
Contact Person/Engineer: _____	

<b>Well Location</b> <small>Note any changes</small>	S 1425 W 1650 from the NE corner of section 35, Township 3S, Range 6W, US B&M
--	---

Location Description: (address, proximity to buildings, landmarks, ground elevation, local well #)

<b>Drillers Activity</b>	Start Date: <u>1-9-09</u>	Completion Date: <u>1-10-09</u>
Check all that apply: <input checked="" type="checkbox"/> New <input type="checkbox"/> Repair <input type="checkbox"/> Deepen <input type="checkbox"/> Clean <input type="checkbox"/> Replace <input type="checkbox"/> Public Nature of Use: _____		
If a replacement well, provide location of new well. _____ feet north/south and _____ feet east/west of the existing well.		

DEPTH (feet)		BOREHOLE DIAMETER (in)	DRILLING METHOD	DRILLING FLUID
FROM	TO			
6	30	12 1/4	Air Rotary 1	NA
30	275	6 3/4		

Well Log		WATER	CLAY	SAND	GRAVEL	COBBLES	Boulders	ROCK TYPE	COLOR	DESCRIPTION AND REMARKS (e.g., relative %, grain size, sorting, angularity, bedding, grain composition density, plasticity, shape, cementation, consistency, water bearing, odor, fracturing, mineralogy, texture, degree of weathering, hardness, water quality, etc.)
DEPTH (feet)	FROM TO									
0	30							Sandstone	tan	100' 1 Gpm water
30	275							Shale	Grey	125' 4 Gpm water
										206 15 Gpm water

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<b>Static Water Level</b>	
Date: <u>1-10-09</u>	Water Level: <u>75</u> feet
Method of Water Level Measurement: <u>tape</u>	Flowing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Point to Which Water Level Measurement was Referenced: <u>Ground level</u>	If Flowing, Capped Pressure: <u>NA</u> PSI
Height of Water Level reference point above ground surface: <u>NA</u> feet	Elevation: <u>NA</u>
	Temperature: <u>60</u> degrees <input type="checkbox"/> C <input checked="" type="checkbox"/> F

# Water Master Plan Study PFSSD

## Construction Information

DEPTH (feet)		CASING			DEPTH (feet)		<input type="checkbox"/> SCREEN	<input checked="" type="checkbox"/> PERFORATIONS	<input type="checkbox"/> OPEN BOTTOM
FROM	TO	CASING TYPE AND MATERIAL/GRADE	WALL THICK (in)	NOMINAL DIAM. (in)	FROM	TO	SCREEN SLOT SIZE OR PERF SIZE (in)	SCREEN DIAM. OR PERF LENGTH (in)	SCREEN TYPE OR NUMBER PERF (per round/interval)
0	30	Steel	3/50	8"					
0	275	PVC	5/40	4"	100	275	1/16" X 8"	2 Rows per Foot	

Well Head Configuration: well top Access Port Provided?  Yes  No  
 Casing Joint Type: Welded & glued Perforator Used: SKILL SAW  
 Was a Surface Seal Installed?  Yes  No Depth of Surface Seal: 30 feet Drive Shoe?  Yes  No  
 Surface Seal Material Placement Method: Remix pipe  
 Was a temporary surface casing used?  Yes  No If yes, depth of casing: \_\_\_\_\_ feet diameter: \_\_\_\_\_ inches

DEPTH (feet)		SURFACE SEAL / INTERVAL SEAL / FILTER PACK / PACKER INFORMATION		
FROM	TO	SEAL MATERIAL, FILTER PACK and PACKER TYPE and DESCRIPTION	Quantity of Material Used (if applicable)	GROUT DENSITY (lbs./gal., # bag mix, gal./sack etc.)
0	30	Bentonite Hole plug	12 sacks	6 gal water per sack

## Well Development and Well Yield Test Information

DATE	METHOD	YIELD	Units Check One		DRAWDOWN (ft)	TIME PUMPED (hrs & min)
			GPM	CFS		
1-10-09	Blow out with air	20	X			1 hr

**Pump (Permanent)**  
 Pump Description: Nil Horsepower: \_\_\_\_\_ Pump Intake Depth: \_\_\_\_\_ feet  
 Approximate Maximum Pumping Rate: \_\_\_\_\_ Well Disinfected upon Completion?  Yes  No

**Comments** Description of construction activity, additional materials used, problems encountered, extraordinary Circumstances, abandonment procedures. Use additional well data form for more space.

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**Well Driller Statement** This well was drilled and constructed under my supervision, according to applicable rules and regulations, and this report is complete and correct to the best of my knowledge and belief.

Name ROSS DRILLING & CONSTRUCTION INC License No. 346  
 Signature Mary Howie Date Feb 2, 09  
(Printed Well Driller)



**PUMPING TEST DATA OF PIÑON FOREST WELL**

Date/Time	Elapsed Time (minutes)	Depth to Water (ft below datum)	Depth to Water (ft bgs)	Drawdown (feet)	Totalizer (gallons)	Pumping Rate (gpm)	Specific Capacity (gpm/foot)	Comments	t' Time Since Pumping Ceased (minutes)	t/t'
<b>Combined Step-Rate and Constant Rate Pumping Test</b>								Top of sounding tube is 1.80 feet above ground surface.		
11/7/16 11:00 AM	0	25.55	23.75	0.00	120468.60	0		Start pumping at 11:00am		
11/7/16 11:01 AM	1	31.80	30.00	6.25		60.2	9.63			
11/7/16 11:02 AM	2	31.90	30.10	6.35		60.2	9.48			
11/7/16 11:03 AM	3	31.95	30.15	6.40		60.2	9.41			
11/7/16 11:04 AM	4	31.98	30.18	6.43		60.2	9.36			
11/7/16 11:05 AM	5	32.01	30.21	6.46		60.2	9.32			
11/7/16 11:06 AM	6	32.08	30.28	6.53		60.2	9.22			
11/7/16 11:07 AM	7	32.11	30.31	6.56		60.2	9.18			
11/7/16 11:08 AM	8	32.17	30.37	6.62		60.2	9.09			
11/7/16 11:09 AM	9	32.20	30.40	6.65		60.2	9.05			
11/7/16 11:10 AM	10	32.24	30.44	6.69		60.2	9.00			
11/7/16 11:15 AM	15	32.42	30.62	6.87		60.2	8.76			
11/7/16 11:20 AM	20	32.53	30.73	6.98		60.2	8.62			
11/7/16 11:25 AM	25	32.63	30.83	7.08		60.2	8.50			
11/7/16 11:30 AM	30	32.71	30.91	7.16		60.2	8.41			
11/7/16 11:35 AM	35	32.80	31.00	7.25		60.2	8.30			
11/7/16 11:40 AM	40	32.87	31.07	7.32		60.2	8.22			
11/7/16 11:45 AM	45	32.92	31.12	7.37		60.2	8.17			
11/7/16 11:50 AM	50	32.98	31.18	7.43		60.2	8.10			
11/7/16 11:55 AM	55	33.02	31.22	7.47		60.2	8.06			
11/7/16 12:00 PM	60	33.07	31.27	7.52	124081.10	60.2	8.01	Increase Q		
11/7/16 12:01 PM	61	37.10	35.30	11.55		94.9	8.22			
11/7/16 12:02 PM	62	37.19	35.39	11.64		94.9	8.15			
11/7/16 12:03 PM	63	37.24	35.44	11.69		94.9	8.12			
11/7/16 12:04 PM	64	37.29	35.49	11.74		94.9	8.08			
11/7/16 12:05 PM	65	37.33	35.53	11.78		94.9	8.06			
11/7/16 12:06 PM	66	37.36	35.56	11.81		94.9	8.04			
11/7/16 12:07 PM	67	37.39	35.59	11.84		94.9	8.02			
11/7/16 12:08 PM	68	37.42	35.62	11.87		94.9	7.99			
11/7/16 12:09 PM	69	37.45	35.65	11.90		94.9	7.97			
11/7/16 12:10 PM	70	37.47	35.67	11.92		94.9	7.96			
11/7/16 12:15 PM	75	37.60	35.80	12.05		94.9	7.88			
11/7/16 12:20 PM	80	37.70	35.90	12.15		94.9	7.81			
11/7/16 12:25 PM	85	37.78	35.98	12.23		94.9	7.76			
11/7/16 12:30 PM	90	37.88	36.08	12.33		94.9	7.70			
11/7/16 12:35 PM	95	37.94	36.14	12.39		94.9	7.66			
11/7/16 12:40 PM	100	38.00	36.20	12.45		94.9	7.62			
11/7/16 12:45 PM	105	38.06	36.26	12.51		94.9	7.59			
11/7/16 12:50 PM	110	38.12	36.32	12.57		94.9	7.55			
11/7/16 12:55 PM	115	38.17	36.37	12.62		94.9	7.52			
11/7/16 1:00 PM	120	38.21	36.41	12.66	129772.70	94.9	7.49	Increase Q		
11/7/16 1:01 PM	121	41.30	39.50	15.75		123.7	7.85	Start of constant-rate pumping test		
11/7/16 1:02 PM	122	41.35	39.55	15.80		123.7	7.83			
11/7/16 1:03 PM	123	41.41	39.61	15.86		123.7	7.80			
11/7/16 1:04 PM	124	41.47	39.67	15.92		123.7	7.77			
11/7/16 1:05 PM	125	41.50	39.70	15.95		123.7	7.76			
11/7/16 1:06 PM	126	41.55	39.75	16.00		123.7	7.73			



## PUMPING TEST DATA OF PIÑON FOREST WELL

Date/Time	Elapsed Time (minutes)	Depth to Water (ft below datum)	Depth to Water (ft bgs)	Drawdown (feet)	Totalizer (gallons)	Pumping Rate (gpm)	Specific Capacity (gpm/foot)	Comments	t' Time Since Pumping Ceased (minutes)	t/t'
11/7/16 1:07 PM	127	41.58	39.78	16.03		123.7	7.72			
11/7/16 1:08 PM	128	41.62	39.82	16.07		123.7	7.70			
11/7/16 1:09 PM	129	41.65	39.85	16.10		123.7	7.68			
11/7/16 1:10 PM	130	41.67	39.87	16.12		123.7	7.67			
11/7/16 1:15 PM	135	41.80	40.00	16.25		123.7	7.61			
11/7/16 1:20 PM	140	41.89	40.09	16.34		123.7	7.57			
11/7/16 1:25 PM	145	41.99	40.19	16.44		123.7	7.52			
11/7/16 1:30 PM	150	42.07	40.27	16.52		123.7	7.49			
11/7/16 1:35 PM	155	42.14	40.34	16.59		123.7	7.46			
11/7/16 1:40 PM	160	42.20	40.40	16.65		123.7	7.43			
11/7/16 1:45 PM	165	42.25	40.45	16.70		123.7	7.41			
11/7/16 1:50 PM	170	42.32	40.52	16.77		123.7	7.38			
11/7/16 1:55 PM	175	42.36	40.56	16.81		123.7	7.36			
11/7/16 2:00 PM	180	42.41	40.61	16.86	137197.0	123.7	7.34	End of step-rate pumping test		
11/7/16 2:30 PM	210	42.67	40.87	17.12		123.4	7.21			
11/7/16 3:00 PM	240	42.87	41.07	17.32		123.4	7.12			
11/7/16 3:30 PM	270	43.07	41.27	17.52		123.4	7.04			
11/7/16 4:00 PM	300	43.23	41.43	17.68		123.4	6.98			
11/7/16 4:30 PM	330	43.36	41.56	17.81		123.4	6.93			
11/7/16 5:00 PM	360	43.51	41.71	17.96		123.4	6.87			
11/7/16 5:30 PM	390	43.67	41.87	18.12		123.4	6.81			
11/7/16 6:00 PM	420	43.79	41.99	18.24		123.4	6.77			
11/7/16 6:30 PM	450	43.94	42.14	18.39		123.4	6.71			
11/7/16 7:00 PM	480	44.02	42.22	18.47		123.4	6.68			
11/7/16 7:30 PM	510	44.15	42.35	18.60		123.4	6.63			
11/7/16 8:00 PM	540	44.24	42.44	18.69		123.4	6.60			
11/7/16 8:30 PM	570	44.36	42.56	18.81		123.4	6.56			
11/7/16 9:00 PM	600	44.45	42.65	18.90		123.4	6.53			
11/7/16 9:30 PM	630	44.55	42.75	19.00		123.4	6.49			
11/7/16 10:00 PM	660	44.63	42.83	19.08		123.4	6.47			
11/7/16 10:30 PM	690	44.72	42.92	19.17		123.4	6.44			
11/7/16 11:00 PM	720	44.80	43.00	19.25		123.4	6.41			
11/7/16 11:30 PM	750	44.88	43.08	19.33		123.4	6.38			
11/8/16 12:00 AM	780	44.95	43.15	19.40		123.4	6.36			
11/8/16 12:30 AM	810	45.02	43.22	19.47		123.4	6.34			
11/8/16 1:00 AM	840	45.11	43.31	19.56		123.4	6.31			
11/8/16 1:30 AM	870	45.19	43.39	19.64		123.4	6.28			
11/8/16 2:00 AM	900	45.26	43.46	19.71		123.4	6.26			
11/8/16 2:30 AM	930	45.35	43.55	19.80		123.4	6.23			
11/8/16 3:00 AM	960	45.41	43.61	19.86		123.4	6.21			
11/8/16 3:30 AM	990	45.49	43.69	19.94	0.00	123.4	6.19			
11/8/16 4:00 AM	1020	45.57	43.77	20.02		123.4	6.16			
11/8/16 4:30 AM	1050	45.63	43.83	20.08		123.4	6.15			
11/8/16 5:00 AM	1080	45.70	43.90	20.15		123.4	6.12			
11/8/16 5:30 AM	1110	45.78	43.98	20.23		123.4	6.10			
11/8/16 6:00 AM	1140	45.83	44.03	20.28		123.4	6.08			
11/8/16 6:30 AM	1170	45.90	44.10	20.35		123.4	6.06			
11/8/16 7:00 AM	1200	45.97	44.17	20.42		123.4	6.04			
11/8/16 7:30 AM	1230	46.00	44.20	20.45		123.4	6.03			

## PUMPING TEST DATA OF PIÑON FOREST WELL

Date/Time	Elapsed Time (minutes)	Depth to Water (ft below datum)	Depth to Water (ft bgs)	Drawdown (feet)	Totalizer (gallons)	Pumping Rate (gpm)	Specific Capacity (gpm/foot)	Comments	t' Time Since Pumping Ceased (minutes)	t/t'
11/8/16 8:00 AM	1260	46.07	44.27	20.52		123.4	6.01			
11/8/16 8:30 AM	1290	46.12	44.32	20.57		123.4	6.00			
11/8/16 9:00 AM	1320	46.16	44.36	20.61		123.4	5.99			
11/8/16 9:30 AM	1350	46.20	44.40	20.65		123.4	5.98			
11/8/16 10:00 AM	1380	46.24	44.44	20.69		123.4	5.96			
11/8/16 10:30 AM	1410	46.27	44.47	20.72		123.4	5.96			
11/8/16 11:00 AM	1440	46.31	44.51	20.76		123.4	5.94			
11/8/16 11:30 AM	1470	46.33	44.53	20.78		123.4	5.94			
11/8/16 12:00 PM	1500	46.36	44.56	20.81		123.4	5.93			
11/8/16 12:30 PM	1530	46.40	44.60	20.85		123.4	5.92	Collect water samples for lab analysis		
11/8/16 1:00 PM	1560	46.42	44.62	20.87	307542.4	123.4	5.91	Shut down pump		
11/8/16 1:01 PM	1561	34.25	32.45	8.70		0		Percent recovered:	1	1561.0
11/8/16 1:02 PM	1562	34.04	32.24	8.49		0		59%	2	781.0
11/8/16 1:03 PM	1563	33.90	32.10	8.35		0		60%	3	521.0
11/8/16 1:04 PM	1564	33.80	32.00	8.25		0		60%	4	391.0
11/8/16 1:05 PM	1565	33.72	31.92	8.17		0		61%	5	313.0
11/8/16 1:06 PM	1566	33.64	31.84	8.09		0		61%	6	261.0
11/8/16 1:07 PM	1567	33.55	31.75	8.00		0		62%	7	223.9
11/8/16 1:08 PM	1568	33.49	31.69	7.94		0		62%	8	196.0
11/8/16 1:09 PM	1569	33.42	31.62	7.87		0		62%	9	174.3
11/8/16 1:10 PM	1570	33.37	31.57	7.82		0		63%	10	157.0
11/8/16 1:15 PM	1575	33.10	31.30	7.55		0		64%	15	105.0
11/8/16 1:20 PM	1580	32.90	31.10	7.35		0		65%	20	79.0
11/8/16 1:25 PM	1585	32.74	30.94	7.19		0		66%	25	63.4
11/8/16 1:30 PM	1590	32.51	30.71	6.96		0		67%	30	53.0
11/8/16 1:35 PM	1595	32.44	30.64	6.89		0		67%	35	45.6
11/8/16 1:40 PM	1600	32.32	30.52	6.77		0		68%	40	40.0
11/8/16 1:45 PM	1605	32.21	30.41	6.66		0		68%	45	35.7
11/8/16 1:50 PM	1610	32.10	30.30	6.55		0		69%	50	32.2
11/8/16 1:55 PM	1615	32.00	30.20	6.45		0		69%	55	29.4
11/8/16 2:00 PM	1620	31.92	30.12	6.37		0		69%	60	27.0
11/9/16 9:30 AM	2790	28.00	26.20	2.45		0		88%	1230	2.3

Notes:

bgs = below ground surface;

ft = feet; and

gpm = gallons per minute.

APPENDIX D. CERTIFICATION OF ADOPTION

I, Melissa Hughes, the chairperson of Pinion Forest Special Service District, hereby certify that the attached Water Conservation Plan – 2022 has been established and adopted by the Pinion Forest Special Service District board on the date listed below.



\_\_\_\_\_

Melissa Hughes, Chairperson

6/12/2023

Date

Pinon Forest Special Service District Meeting Held Monday June 12, 2023 at  
Pinon Forest Special Service District 28260 West Koch Road, Duchesne, UT 84021

1. Meeting called to order at 5:00 p.m.
2. Present — Duchesne County Commissioner Greg Miles, PFSSD Chairperson Melissa Hughes, PFSSD Board Member Corey Biesinger, PFSSD Treasurer Tim Nowacki, PFSSD Water Operator Clyde Watkins and PFSSD Secretary Theresa Welborn  
Absent —  
Also Present — Jones & DeMille representative Jeff Baker
3. Reading & Approval of March 2023 Regular Meeting Minutes- Duchesne County Commissioner Greg Miles motions to accept the meeting minutes from May; PFSSD Board member Corey Biesinger second's motion. Motion passes with no opposing votes.
4. Engineering Comments
  - a) Jones & DeMille — Jones & DeMille representative Jeff Baker acknowledges that he will need to get bids for the project. Jones & DeMille will reach out to Eric Jones.
  - b) Chlorination Filtration System Update -
5. Discussion & Consideration of the 2022 Water Conservation Plan — Jeff Baker presented the 2022 Water Conservation Plan that was prepared by Jones & DeMille. Corey Biesinger made a motion to approve and authorize the chair to sign the 2022 Water Conservation Plan. Tim Nowacki seconded the motion. The motion passed with no opposing votes.
6. Water Operator Report - PFSSD Water Operator Clyde Watkins speaks on the bacti of the water testing that is in good standing. Clyde will pull the samples for quarterly testing.
7. Secretary's Report— PFSSD Secretary Theresa Welborn states that she has seen an increase of new accounts. She is making progress on collecting outstanding billing.

PFSSD Secretary Theresa Welborn presents the following bills that are to be paid.

- Presentation of Bills —
- Moon Lake \$196.26
- Strata Network \$206.68

- Tri-County Health Department:  
\$20.00
- Theresa Welborn Pay \$420.00
- Jones & DeMille \$ 1,215.00
- Flowpoint \$1,211.76
- Corey Biesinger \$70.00

o Corey Biesinger Reimbursements \$129.41

Duchesne County Commissioner Greg Miles motions to approve the bills as presented, PFSSD Board Member Tim Nowacki seconds the motion; the motion passes with no opposing votes.

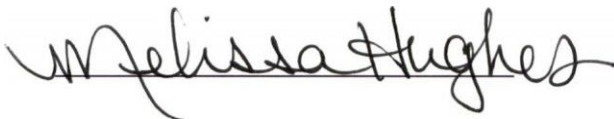
8. Old Business - None

9. New Business — Discussion of CCR Consumer Confidence Report is due to the state by June 1<sup>st</sup> once approved the report will be sent to the consumers, with a link to the website on their next bill.

10. Adjourn Meeting —

Duchesne County Commissioner Greg Miles makes a motion to adjourn the end of the agenda has been reached so this motion is noncontestable. Meeting adjourned at 5:56.

Read and approved this on the 17<sup>th</sup> day of July 2023.



Chairperson



Vice Chairman

Minutes of meeting prepared by PFSSD Secretary Theresa Welborn

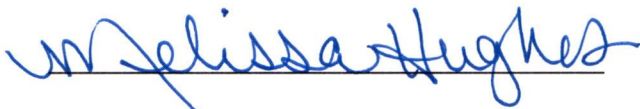
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**Pinon Forest Special Service District Board Meeting Agenda**  
**Monday, June 12, 2023, at 5:00 p.m.**

**PUBLIC NOTICE** is hereby given that the Pinon Forest Special Service District Board of Directors will meet in a Regular working meeting on Monday, June 12, 2023, beginning at 5:00 p.m. at 28260 West Koch Road, Duchesne, Utah 84021, for the purpose of discussing or acting on the following:

1. Call to Order
2. Board Members Present
3. Read & Approve the May 2023 Regular Meeting Minutes
4. Engineering Comments
  - a. Jones and DeMille
  - b. Chlorination Filtration System Update
5. Discussion & Consideration of the 2022 Water Conservation Plan
6. Water Operator Report
7. Secretary Report
  - a. Status of Accounts
  - b. Presentation of Bills/Reimbursements
8. Old Business
9. New Business

I, Melissa Hughes, Pinon Forest Special Service District Chair, certify that on June 8, 2023, pursuant to U.C.A. 52-4-202, this notice was posted 24 hours prior to the meeting time.



Melissa Hughes