FORM 202 RECEIVED

STATE OF IDAHO DEPARTMENT OF WATER RESOURCES

Ident. No. <u>63-34897</u>

APR 2 1 2020

APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

Name connector (check one) and	1.	Name o	STERN R	URCES EGION ant(s)	Cat Cr	eek E	nergy,	LLC			Phone 20	8-336-1370
State ID					Mam	e connec	tor (chec	k one).		nd/or		
Name of representative, if any daho Water Engineering, LLC												
Mailing address 2918 N El Rancho PI State ID	2.											
State ID												
a. Send all correspondence for this application to the representative and not to the applicant OR Send original correspondence to the applicant and copies to the representative. b. The representative may submit information for the applicant but is not authorized to sign for the applicant OR the representative is authorized to sign for the applicant. Attach a Power of Attorney or other documentation. Source of water supply South Fork Boise River which is a tributary of Boise River Location of point(s) of diversion: See Attachment. Twp Rge Sec Govt 1/4 1/4 1/4 County Source Local name or tag # 1N 9E 26		_									-	
The representative is authorized to sign for the applicant. Attach a Power of Attorney or other documentation. Source of water supply South Fork Boise River		a. 🗆 S	end all	corresp	onden	ce for	this ap	plicatio	n to the representa	tive and not to the		
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Attachment for 31 KAF Application in the Name of Cat Creek Energy, LLC

Additional Information for Application Item 4.

Points of injection from storage are the locations of the penstock diversions from Anderson Ranch Reservoir. These are identified as the points of diversion, item 4.

Points of re-diversion are located downstream along the Boise River, at:

 The points of diversion of Black Canyon Irrigation District: SENE Sec. 12, T3N R3W, B.M.
 SESW Sec 12, T3N R3W, B.M.

• The points of diversion for the City of Nampa:

SENW Sec. 23, T4N R1E, B.M. SENW Sec 24, T4N R1W, B.M., NENE Sec. 24, T4N, R2W, B.M. NWSW Lot 9, Sec. 3, T2N R3E, B.M.

• The points of diversion for those requiring mitigation will be defined in an approved mitigation plan.

Points of diversion for the irrigation of Wood Creek Ranch are the same as those for the storage reservoir.

Additional Information for Application Item 5.

Amount	Use	Date From	Date To
2,000 cfs	Diversion to Storage	1-Jan	31-Dec
31,000 af	Irrigation Storage	1-Jan	31-Dec
31,000 af	Irrigation from Storage	15-Mar	15-Nov
31,000 af	Municipal Storage	1-Jan	31-Dec
31,000 af	Municipal from Storage	1-Jan	31-Dec
31,000 af	Mitigation by Delivery Storage	1-Jan	31-Dec
31,000 af	Mitigation by Delivery from Storage	1-Jan	31-Dec
120.2 cfs	Irrigation	1-Apr	31-Oct

Additional Information for Application Item 7a.

The primary diversion from the South Fork Boise River will be a series of 6 turbines designed to divert up to 9,996 cfs up to Cat Creek Reservoir. Irrigation of Wood Creek Ranch lands will be conducted via a series of pipes to lands on the ranch outside the final reservoir footprint. Water for downstream uses will be released from Cat Creek Reservoir, and will be allowed to flow via gravity downstream to be re-diverted at diversion points for the City of Nampa and Black Canyon Irrigation District. In addition, the mitigation by delivery from storage will be re-diverted

downstream by entities yet to be identified that will require mitigation from the City of Nampa if it is required.

Additional Information for Application Item 8C.

This application is not intended to provide additional municipal supplies but rather is intended to supplement existing municipal water rights held by the City of Nampa in case of drought. Thus the information requested in the standard municipal checklist is not germane, and the applicant should not be reviewed as a standard municipal provider.

Additional Information for Application Item 8E.

Other: Supplemental Municipal Storage for the City of Nampa, Supplemental Irrigation Storage for Black Canyon Irrigation District and Wood Creek Farm, and Mitigation by Delivery Storage for the City of Nampa.

Additional Information for Application Item 9B.

Storage Place of Use

				N	E			N	W			S	N			S	E	
TWP	RGE	SEC	NE	NW	SW	SE												
1N	9E	25												Х				
		26											Х					
		27													Х	Х	Х	Х
		34	Х	Х	Х	х									Х	Х	Х	Х
		35	Х	Х	Х	Х	Х	Х	Х	Х	х	х	Х	Х	Х	Х	Х	Х
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		3	Х	Х	Х	Х									Х	Х	Х	Х
		10	х	Х														
		11		х			х	Х										

X = Storage for Municipal, Irrigation and Mitigation by Delivery

Place of use for Irrigation from Storage = service areas of Black Canyon ID and Wood Creek Ranch
Place of use of Municipal Storage = service area of the City of Nampa
Place of use of Mitigation by Delivery from Storage = To be specified under Approved Mitigation Plans

The places of use for water rights in Idaho are generally identified by 40 acre tract. However, there are exceptions. In general the place of use of a municipal use is simply within the service area. IDWR often maintains a map for explanatory purposes. This should

Attachment for 31 KAF Application in the Name of Cat Creek Energy, LLC -- 2

be sufficient for the City of Nampa as a municipal provider. For irrigation entities, licensing statute 42-219 contains the following provision as Section 5:

(5) For irrigation projects where the canals constructed cover an area of twenty-five thousand (25,000) acres or more, or within irrigation districts organized and existing as such under the laws of the state of Idaho, the license issued shall be issued to the persons, association, company, corporation or irrigation district owning the project, and final proof may be made by such owners for the benefit of the entire project. It shall not be necessary to give a description of the land by legal subdivisions but a general description of the entire area under the canal system shall be sufficient. The water diverted and the water right acquired thereby shall relate to the entire project and the diversion of the water for the beneficial use under the project shall be sufficient proof of beneficial use without regard as to whether each and every acre under the project is irrigated or not.

Black Canyon Irrigation is the beneficiary of this consideration as its decreed water rights show irrigation of 62,140 acres, with no definition of 40 acre tracts. Also, the SRBA Partial Decrees for the BCID water rights used a digital boundary to circumscribe the acres irrigated rather than to identify them by 40 acre tract. CCE can identify the hundreds of 40 acre tracts that are proposed to receive the benefit of the irrigation from storage under this application, but requests consideration that submittal of these lists of tracts would not contribute to the understanding of this application for permit, and instead proposes to use the map from the digital boundary that was created during the SRBA.

Irrigation and Irrigation from Storage Place of Use

The lands to be irrigated in Wood Creek Ranch have not previously used the South Fork Boise River as a source. These lands are all located within Basin 63, Elmore County. The land list is as follows:

Attachment for 31 KAF Application in the Name of Cat Creek Energy, LLC -- 3

				N	ΙE			N'	W			SI	N			S	E	. 1	Total
TWP	RGE	SEC	NE	NW	SW	SE													
1N	9E	27									20	20	40	40	20	20	40	40	24
		28											20			1		40	6
		32	40	40	40	40				20	40	20	30	40	40	40	40	40	47
		33	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	64
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		23	40			40													8
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																			601

Additional Information for Application Item 11a.

The applicant has successfully initiated a Lease of Power Privilege with the Bureau of Reclamation, which controls the federal land where the point of diversion is located.

Additional Information for Application Item 11b.

Relative to the place of storage and the irrigation uses the applicant has a lease with the property owner Wood Creek Ranch, LLC. Relative to the place of use for the downstream uses the applicant has memorandums of agreement with Black Canyon Irrigation District and the City of Nampa.

Additional Information for Application Item 12.

This application is a companion to Application for Permit No. 63-34403, with the same name and points of diversion. This application merely adds uses with associated places of use. The 31,000 acre-feet identified in this application are not intended to increase the total storage identified in Application for Permit No. 63-34403 but rather provide additional uses for 31,000 acre-feet of this storage. Per IDWR guidance this application also has its own Diversion to Storage component -- for 2,000 cfs.

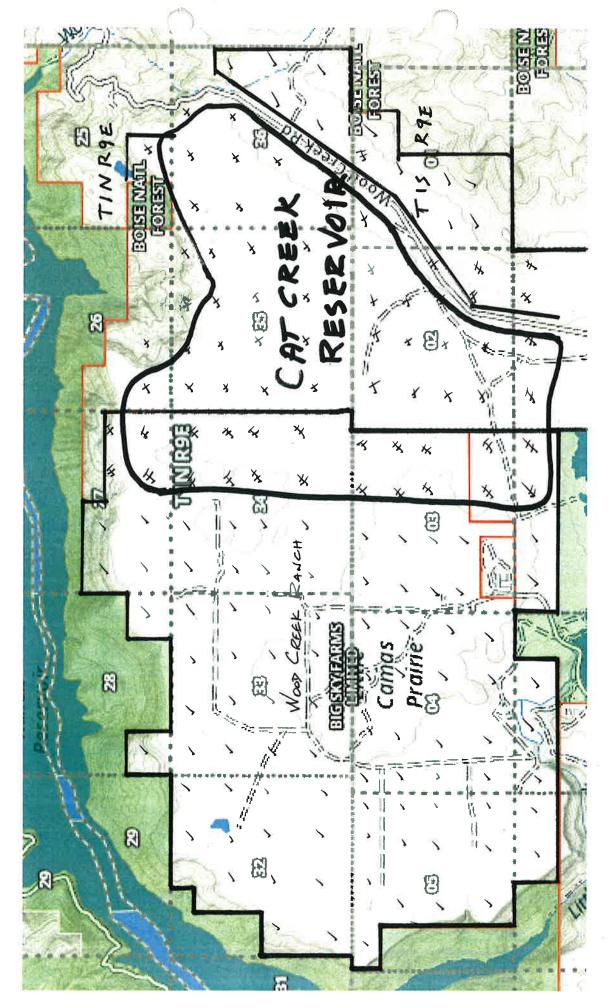
Additional Information for Application Item 14.

Please find the following maps:

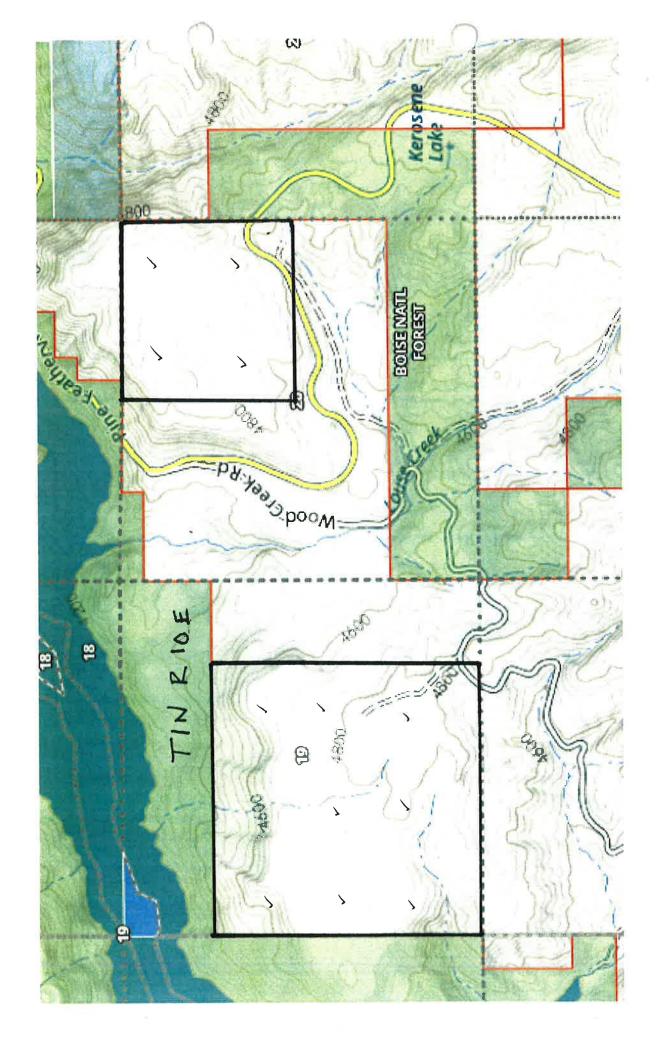
Maps of service areas of the City of Nampa and Black Canyon Irrigation District.

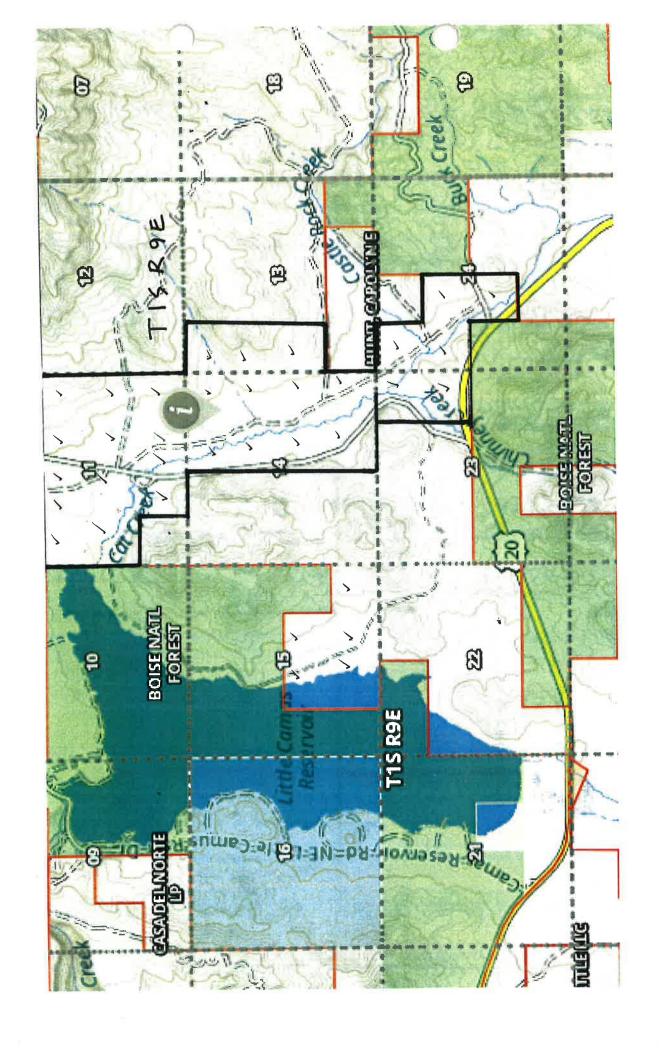
Maps of the storage footprint of Cat Creek Reservoir and the lands to be irrigated within Wood Creek Ranch.

Maps for Mitigation by Delivery from Storage.



/= Ir, Pou X = Stor Pou xx = Irr + Stor Pou



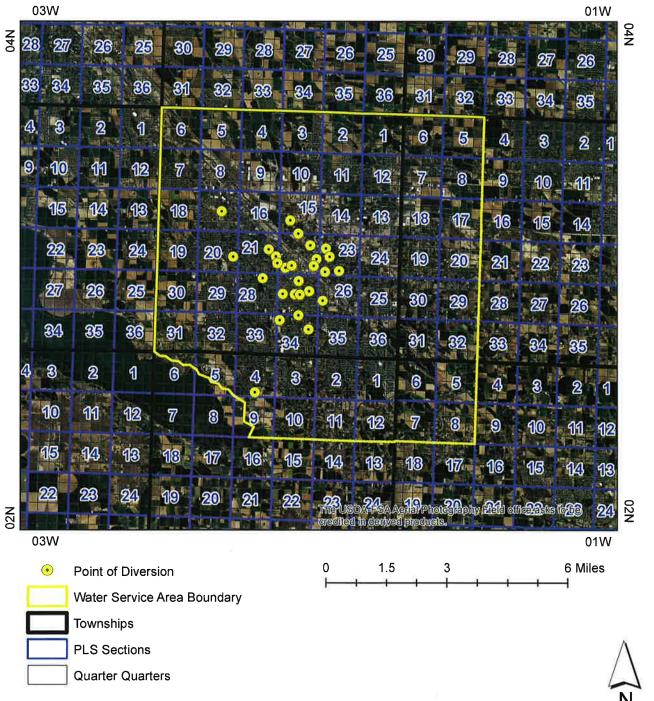


State of Idaho Department of Water Resources

Water Right 63-2450

MUNICIPAL - City of Nampa

The map depicts the place of use for the water use listed above and point(s) of diversion of this right as currently derived from interpretations of the paper records and is used solely for illustrative purposes. Discrepancies between the computer representation and the permanent document file will be resolved in favor of the actual water right documents in the water right file.



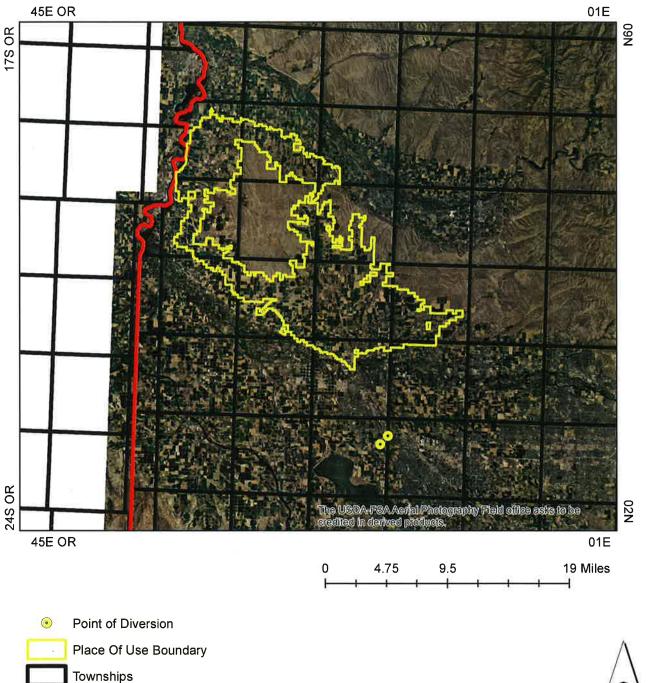
Map produced on April 18, 2020

State of Idaho Department of Water Resources

Water Right 63-2878

IRRIGATION -- Black Canyon Irrigation District

The map depicts the place of use for the water use listed above and point(s) of diversion of this right as currently derived from interpretations of the paper records and is used solely for illustrative purposes. Discrepancies between the computer representation and the permanent document file will be resolved in favor of the actual water right documents in the water right file.



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<i>N</i> ater	Right No.	or App.	ID	

STATE OF IDAHO DEPARTMENT OF WATER RESOURCES

MUNICIPAL WATER RIGHT APPLICATION CHECKLIST

This checklist must be completed and submitted with an application to appropriate water for municipal purposes. There are two types of permits for municipal water use. The first type of municipal permit provides water for reasonably anticipated future needs (RAFN) over a defined planning horizon. The second type of municipal permit, called non-RAFN, provides water solely for use to meet needs that will arise in the near-term (five years). Each type of municipal water use has a distinct set of review requirements.

A p	plicant Name:	Cat Creek E	nergy, LLC.			
1.	Type of Munici municipal purpo					rovider to obtain a water right for
	Type 3 - Con Attach docum Check h	nchise or polit poration or as — See attac mentation of q	sociation regulated expland ualification as Type 3 provi	lated as a "pu ation. a Municipal der proposin	g to develop a new	
2a.		. These righ	ts may or ma			aims) available to the applicant for expressly defined as "municipal."
	Right Number NA. See attack	Nature o		Diversion Rate (cfs)	Annual Volume (acre-feet)	Service Area
		-	· · · · · · · · · · · · · · · · · · ·			
		÷	Total	*	*	
	* Be sure to accou	nt for any comb		d/or diversion	rate limits in the ap	proval conditions of each right listed.
2b.	List any overlap municipal provid		oviders within	your service	area, such as irrig	gation districts, canal companies, or
	NA. See attac	ned explanta	ition.			
3a.	Currently or wi					exceed the total diversion rate or
	Yes, see item No, see item	NA.	See attache	d explanatio	on.	
3b.					n, but will not dev rent water rights?	elop a new water source nor exceed
	Yes. Please	file an Applic	ation for Tran	sfer of Water	Right instead of a	n Application for Permit.
		ng this Applic § 42-202B(8).			ably anticipated fo attached expland	ature needs (RAFN) pursuant to ation.

² For a thorough discussion of non-RAFN water rights, see IDWR's Application Processing Memorandum No. 18.

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¹ For a thorough discussion of RAFN water rights, see IDWR's Recommendations for the Processing of Reasonably Anticipated Future Needs (RAFN) Municipal Water Rights at the Time of Application, Licensing, and Transfer (Application Processing Memorandum No. 74).

4.	Please specify the term for which you are making an application for permit. See <u>Idaho Code § 42-202B(7)</u> . Check one:
	Non-RAFN: (planned water system improvements and beneficial use of the entire quantity of water will occur within 5 years). Go to item #5.
	RAFN (water system improvements will occur within 5 years, but full water usage may take longer). ³ Specify planning horizon: years. Ending year of planning horizon: 20 Skip to item #6.
5.	Non-RAFN application. Per <u>Water Appropriation Rule 40.05.d.i</u> , attach a water requirement narrative to your application. It should include the following information:
	X Attach a map of the municipal water service area defined by <u>Idaho Code §42-202B(9)</u> . If applicable, map should delineate neighboring service areas associated with other municipal water providers.
	Current water demand within the municipal service area expressed in average day demand, maximum day demand, and peak hour demand. NA. See attached explanation.
	The required diversion rate during the peak and the average use period at the end of your project (5 years maximum). Typically, these values would be average day demand, maximum day demand, peak hour demand, and supporting information. State the capacity of any reservoirs which will be used to meet peak demand. Do not include demand solely for fire protection. If your fire protection demand exceeds your other municipal needs, you may request an appropriation for fire protection as a separate beneficial use. NA. See attached explanation.
	Proposed future annual diversion volume needed by the end of your project (required only for providers not serving an incorporated municipality). Include a copy of your approved preliminary plat and the calculation method used to reach the requested volume. NA. See attached explanation.
	 □ Current and proposed capacity of entire diversion system (pumps). NA. See attached explanation. □ If you are a Type 3 municipal provider, do you have a plan for assigning ownership of the water right permit to a subdivision HOA or other local entity? If so, attach a relevant excerpt from your CC&Rs or a description of the ownership change agreement between the HOA and the developer.
6.	RAFN application.
	Attach a map of the current municipal water service area and the service area as it will be at the end of the planning horizon. Provide justification for inclusion of areas currently served by another municipal provider or by large industrial, commercial, or domestic water systems. Areas overlapped by conflicting comprehensive land use plans may not be included. See <u>Idaho Code § 42-202(2)</u> and § <u>42-202B(9)</u> .
	Attach justification for the proposed planning horizon. The planning horizon should be consistent with water infrastructure planning standards and current land use planning documents for the service area. See <u>Idaho Code § 42-202(2)</u> and § 42-202B(7).
	Attach a population projection within the service area over the planning horizon. The population projection should be based on planning and demographic studies, standard statistical methods, and evaluation of geography and other limiting factors. See <u>Idaho Code § 42-202(2)</u> and § 42-202B(8).
	Attach an evaluation of the water demand within the service area at the end of the planning horizon. Evaluate unaccounted for water (UAW) separate from municipal use. Do not include demand solely for fire protection. See <u>Idaho Code § 42-202(2)</u> and § 42-202B(8). If your fire protection demand exceeds your other municipal needs, you may request an appropriation for fire protection as a separate beneficial use.
	Attach a gap analysis: [Municipal Demand in Ending Year] x [UAW Factor] – [Sum of Existing WR Diversion Rates] = RAFN Application Diversion Rate.

³ Per <u>Idaho Code § 42-204(4)</u>, the time for completion of works and application of the water to full beneficial use under any permit involving the diversion of two (2) or more cubic feet per second [...] may be extended by the director of the department of water resources upon application by the permittee for an additional period up to ten (10) years beyond the initial development deadline contained in the permit [...], provided the permittee establishes that the permittee has exercised reasonable diligence and that good cause exists for the requested extension.

Additional Information for Municipal Checklist for Amended Supplemental Application in the name of Cat Creek Energy, LLC

Item 1. Type of Municipal Provider: Cat Creek Energy, LLC is not a municipal provider. It is a provider of supplemental storage water for municipal providers, just like the U.S. Bureau of Reclamation.

Item 2a. List existing water rights. Cat Creek Energy, LLC does not have municipal water rights. These are held by the entity desiring supplemental storage water for municipal use, the City of Nampa.

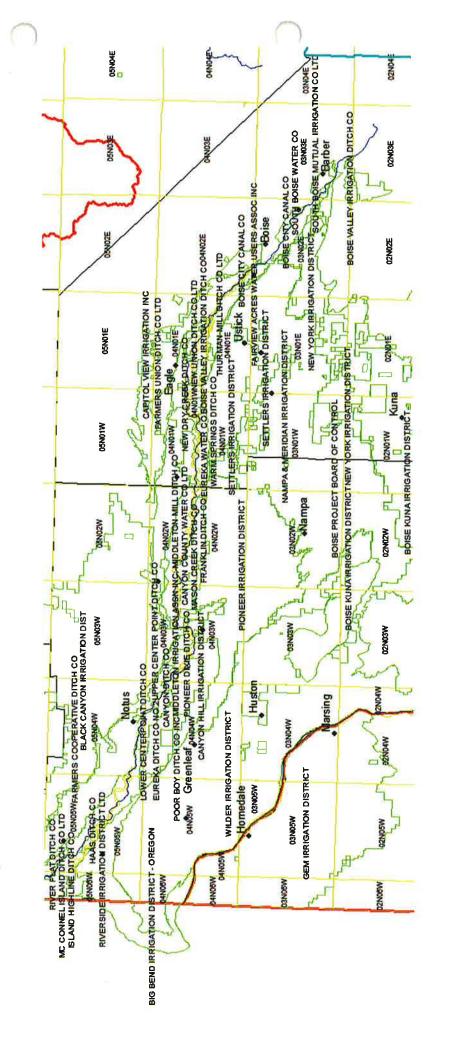
Item 2b. List any overlapping water providers. This is not applicable in the context of this application.

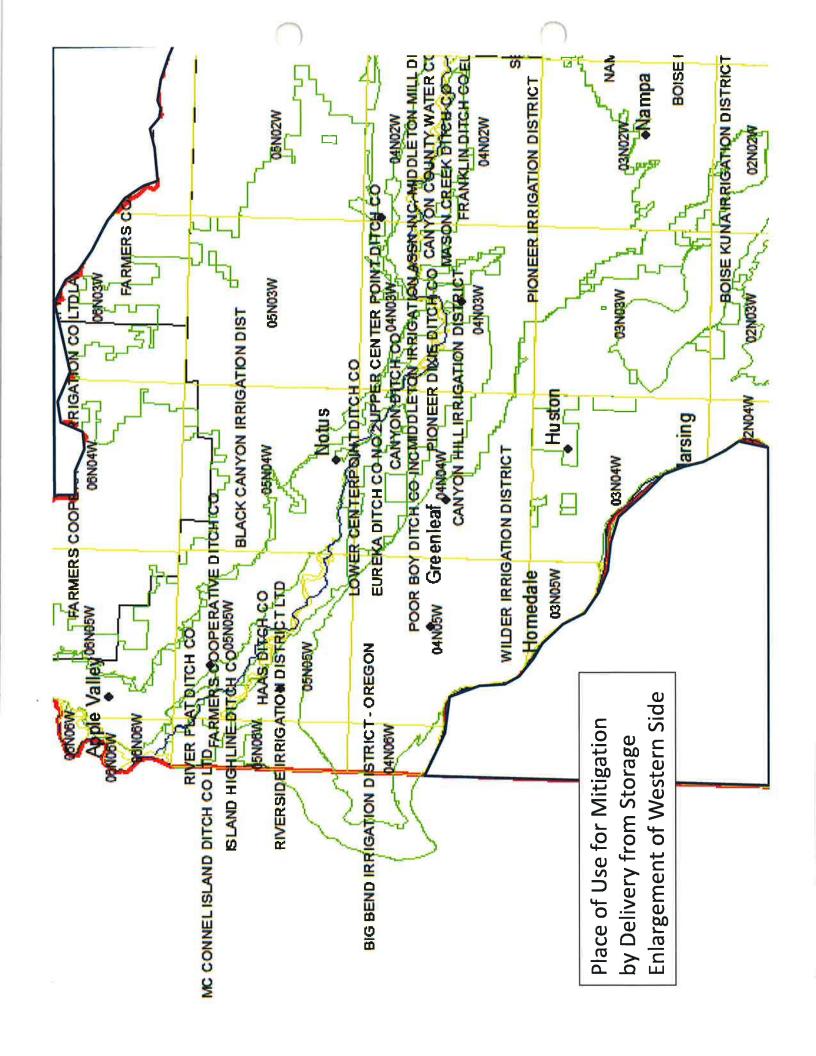
Item 3a. Will the municipal water system demand exceed the total diversion rate. This is not applicable in the context of this application.

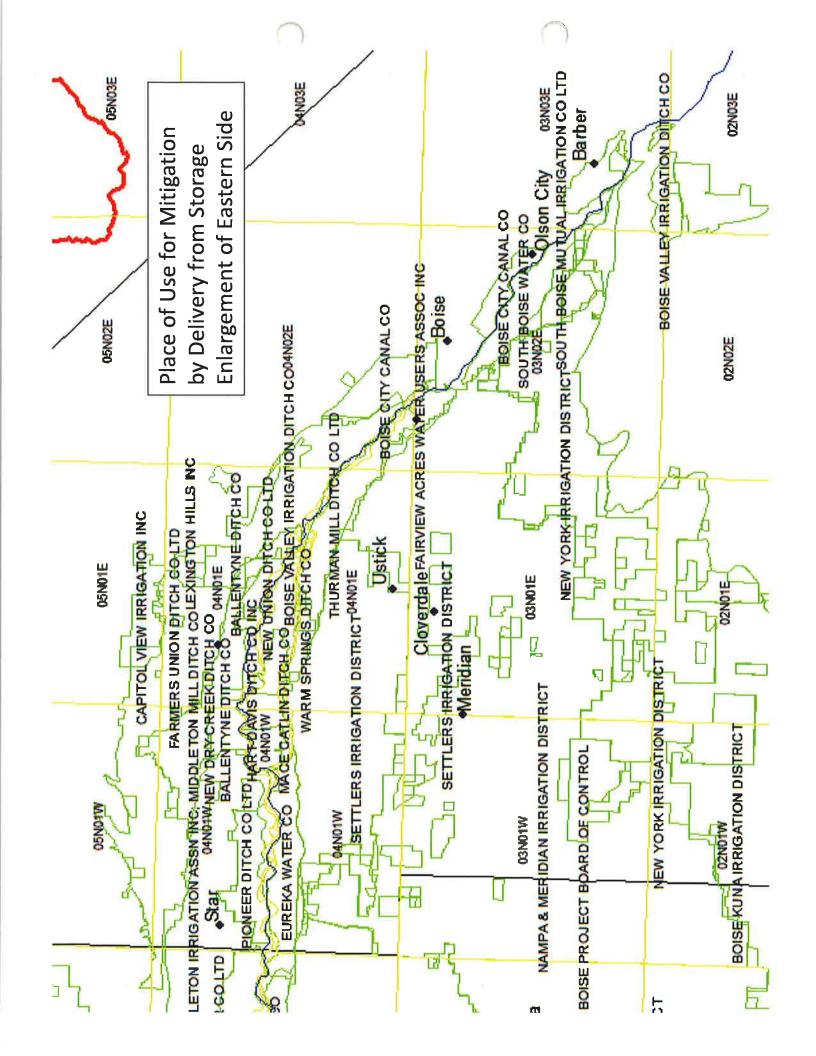
Item 3b. Are you planning to replace an existing point of diversion. This is not applicable in the context of this application.

Item 5 unchecked items. These are not applicable in the context of this application.

Irrigated lands in the Lower Boise River Basin with senior surface water rights Place of Use for Mitigation by Delivery from Storage







40 Acre Tract Description for Place of Use of Mitigation by Delivery of Storage

Place of Use of Storage

X = Mitigation by Delivery from Storage

D4'5	DCC	CEC	A	_	E				W				W		L		E	-
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		32	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х)
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3N	2E	4					Х	Х										
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		20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X
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		32	Х	X	X	X	X	X	X	X	X	X	X	Х	X	X	X	X
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		24	Х	X	Х	Х	Х	X	X	Х	Х	Х	Х	Х	Х	Х	Х	Х
		25	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	X
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		29	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	X	Х	Х	X	X	X
		30	Х	Х	Х	Х	Х	X	X	Х	Х	Х	Х	Х	Х	X	X	X
		31	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	X	X
		32	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	X
		33	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	X
		34	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		35	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		36	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
2N	1E	1	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	_			1 1/		T v	V	V	T v	l v	V	T v	- V	V	V	X	V	Х
		2	Х	X	X	X	Х	X	X	Х	Х	X	X	Х	Х	^_	X	^

		4	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		5	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		6	Χ	Х	Χ	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х
		7	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		8	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		9	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		10	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х
		11	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х
		12	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		15	Х	х	Х	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		16	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		17	Х	Х	Х	X	Х	Х	Х	X	Х	Х	Х	Х	X	Х	Х	Х
		18	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х
		19	Х	Х	Х	Х	X	Х	X	Х	Х	Х	X	Х	Х	Х	Х	Х
		20	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	X	Х	Х	Х
		21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		28	X	X	X	X	X	X	X	X	X	X	X	Х	X	X	X	X
		29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	_	31	X	X	X	X	X	X	$\frac{\lambda}{X}$	X	X	X	X	X	X	X	X	X
		32	X	x	X	X	X	x	$\frac{\hat{x}}{x}$	X	X	X	X	X	X	X	X	X
		33	X	X	X	X	X	$\frac{\hat{x}}{x}$	X	X	X	X	X	X	X	X	X	X
		34	^	_^		^	<u> </u>	_^			 ^-	X	X	^	 ^			 ^
1N	1E	5	Х	Х	Х	Х	_		_		\vdash				_			_
714	1	6	X	X	X	X	Х	Х	Х	Х			-		_			-
5N	1W	27	^	^		^			_^		Х	Х	Х	Х	-			_
214	100	28			-						_^	_^		_^	Х	Х	Х	Х
		31									v	V	v	v			X	X
	_	_	-				V	v		V	X	X	X	X	X	X		-
	_	32	V	V			X	X	X	X	X	X	X	X	X	X	X	X
	-	33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
_	-	34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
411	4144	36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4N	1W	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
_	-	2	X	X	X	X	X	X	X	X	Х	X	X	X	X	X	X	X
		3	X	X	X	X	X	X	X	X	Х	X	X	X	X	X	X	X
	-	4	X	X	X	X	Х	X	X	X	Х	X	X	X	Х	X	X	X
		5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		6	X	X	X	X	Х	X	X	X	Х	X	X	Х	X	X	Х	X
		7	X	Х	X	Х	Х	X	X	X	Х	X	Х	Х	Х	X	X	X
		8	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		9	X	X	X	Х	Х	X	X	X	Х	X	X	Х	Х	X	Х	X
		10	Х	Х	Х	X	Х	X	Х	X	X	Х	X	Х	Х	X	Х	X
		11	X	X	Х	Х	X	X	Х	X	Х	Х	X	Х	Х	X	Х	Х
		12	X	X	. X	Х	Х	Х	Х	X	Х	Х	X	X	Х	Х	Х	Х
		13	X	X	X	X	Х	X	Х	X	Х	X	X	Х	Х	Х	Х	Х
		14	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X
		15	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		16	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		17	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	X
		18	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		19	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		20	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		21	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		22	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		23	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		24	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		25	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		26	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	X
		27	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	X

		28	X	X	X	X	X	X	X	X	X	X	X	Х	Х	X	X	Х
		29	Х	Χ	Χ	Χ	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х
		30	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		31	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		32	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		33	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х
		34	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		35	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		36	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
3N	1W	1	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		2	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	х	Х
		3	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	х	Х
		4	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		5	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		6	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		7	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		8	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		9	Х	Х	Х	Х	х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	х
		10	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	X
		11	X	Х	Х	Х	Х	X	Х	Х	Х	Х	X	Х	X	X	Х	X
		12	Х	Х	X	X	X	X	X	Х	Х	X	X	Х	X	X	Х	X
		13	Х	Х	Х	Х	Х	X	Х	X	X	X	X	Х	X	X	X	X
- 0		14	X	Х	X	Х	X	X	X	Х	X	X	X	X	X	X	X	X
		15	X	Х	Х	X	Х	Х	Х	Х	Х	Х	X	Х	X	X	X	X
		16	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	X	X	Х	Х
		17	X	Х	Х	Х	Х	X	X	X	Х	X	X	Х	X	X	X	X
		18	X	Х	Х	X	X	X	Х	X	X	Х	X	X	X	X	X	Х
		19	X	Х	Х	X	X	Х	Х	X	X	X	X	X	X	X	X	X
		20	Х	X	X	X	X	X	X	X	X	Х	X	X	X	X	X	X
		21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		22	X	X	X	Х	X	X	X	X	X	X	X	X	X	X	X	X
		23	X	Х	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		25	X	X	X	X	Х	X	X	X	X	X	X	X	X	X	X	X
		26	X	X	X	X	Х	X	X	X	X	X	X	X	X	X	X	X
		27	X	X	X	X	Х	Х	X	X	X	X	Х	X	X	X	X	X
		28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
-		34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2N	1W	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
-14	1,,,	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	x
	\vdash	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	x
	—	4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	$\frac{}{x}$
		6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	-	7	X	X	X	X	X	X	X	X	X	X	X	X	×	X	X	X
		8	X	X	X	X	X	X	X	X	X	X	X	X	X		-	X
		9	X	X	X	X	X	X	X	X			X	X	X	X	X	X
	-		_		_		-	-	_		X	X			_	X	X	_
	-	10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
-	-	12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	-	13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		15	Х	X	X	X	Х	X	X	X	Х	X	X	X	X	l X	l X	Х

		16	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		17	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х
		18	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		19	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х
		20	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	X
		21	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X
		22	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Χ	Х	Χ	Х	>
		23	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	>
		24	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	7
		25	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х)
		26	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	>
		27	X	Х	Х	Х	Х	X	Х	Х	X	X	X	Х	Х	Х	Х	7
		28	X	Х	Х	Х	Х	X	X	X	X	X	Х	X	Х	X	Х	,
		29	X	X	X	X	Х	X	X	X	X	X	X	X	X	X	X	7
-	_	30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X)
-		31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	7
		32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	7
		33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	7
-		34	X	X	X	X	X	X	X	X	$\frac{\lambda}{X}$	$\frac{\lambda}{x}$	X	X	_^			-
-	-	35	X	_^	_^_	^	^	_^	_^_	_^_	_^	_^	_^		 	-		_
		36	X	Х	Х	Х	Х	Х	х	х	_				Х	Х	Х	-
1.0	1W	5	X	X	X	X	X	X	X	X		-	-	Х	X	X	X	
1N	TAA	-				X	X	X	X	_	X	X	X			X	_	_
		6	X	X	X	_	_			X	X	X	X	X	X	_	X	
		7	Х	Х	Х	Х	X	X	X	X	X	X	X	X	Х	Х	X	-
		8					X	X	X	X	X	X	X	X	-	_		
		19					Х	X	X	X	X	X	X	Х				
		30						X	X			Х	Х		-			-
15	1W	5						X	Х									_
		6	Х	X	Х	Х	Х	X	X	Х	Х	Х	Х	Х	Х	Х	X)
		7	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	$ \rangle$
		18	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х				
_		19	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	$ \rangle$
		20						Х	Х		Х	Х	Х	Х				_
		29	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х				
		30	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	_
		31	Х	Х	Х	Х	Х	Х	Х	Х								_
5N	2W	7											Х	Х				
		16											Х	Х				_
		17	Х	Х	X	X	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	>
		18	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	
		19	Х	Х	Х	Х	. X	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х)
		20	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	
		21	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	;
		22											Х	Х			Х	
		23									Х	Х	Х	Х	Х	Х	Х	
		24									Х	Х	Х	X				
		26	Х	Х	Х	Х	Х	Х	Х	Х	Х	X.	Х	Х				
		27	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	
		28	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	7
		29	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	
		30	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	
		31	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	
		32	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	
		33	Х	Х	X	X	Х	Х	X	X	Х	X	X	X	X	Х	X	
		34		X	X		X	X	X	X	Х	X	X	X				T
		35	Х	X	X	Х	X	X	X	X	X	X	X	X	Х	Х	Х	
		36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
4N	2W	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
TIV	200	2	X	X	X	X	X	X	X	X	X	X	x	X	X	x	X	
			_ ^	L ^	_ ^	_^	_^_	_ ^ _	_ ^	_^	_ ^	_ ^	. ^	I ^		_^	_^_	-

		4	V	V	V	V	V	V	v	v	V	V	V	V	V	V	V	V
	-	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		6	X	X	X		X	X	X	X	$\frac{}{x}$	X	X	X	X	X	X	X
		7	X	X	X	X	_	X	X	·	$\frac{}{x}$	X	X	X	X	X	x	X
_	-	8	X	X	_	×	X	$\frac{\hat{x}}{x}$	X	×	x	X	_	X	X	×	x	X
		9	X	x	X	$\frac{\hat{x}}{x}$	x	X	×	$\frac{\hat{x}}{x}$	x	x	X	X	X	x	X	X
		10	X	X	X	X	X	X	×	$\frac{\hat{x}}{x}$	X	X	X	X	X	X	X	X
	_	11	X	X	X	x	X	X	×	X	x	X	X	X	X	X	X	X
_	-	12	X	X	X	X	X	X	X	X	x	X	X	X	X	X	X	×
	-		X	X		_	_				_	_	_	X			x	_
	_	13	_	_	X	X	X	X	X	X	X	X	X	-	X	X		X
		14 15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
_		_	_	_		_		_		X	_	X	X	_		_	_	
	_	16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
_		17	Х	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
_	_	18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	_	20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	-	21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
-		22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	-	24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
_		25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	_	27	Х	X	X	X	X	Х	X	X	X	X	X	X	X	X	X	X
		28	Х	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		29	Х	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	_	30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	_	31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
_	_	32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	_	35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0.11	2144	36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3N	2W	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	_	2	X	X	X	X	Х	X	X	X	X	X	X	X	X	X	X	X
		3	Х	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		4	Х	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		6	X	X	X	X	X	X	X	X	X	X	X	X	Х	X	X	X
_		7	X	X	X	X	X	X	X	X	X	X	X	X	Х	X	X	X
		8	X	X	X	X	Х	X	X	X	Х	Х	X	Х	Х	X	X	X
	_	9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
_		11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		22	X	X	X	X	X	X	X	X	X	X	X	X	Х	X	X	X
		23	X	X	X	X	X	X	X	X	X	X	X	X	Х	X	X	X
		24	X	Х	X	X	X	X	X	X	X	X	X	X	Х	X	X	X
		25	X	X	X	X	X	X	X	X	X	X	X	X	Х	X	X	X
		26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	I	27	Х	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

		28	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	X	Х	Х	Х
		29	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		30	Х	Χ	Χ	Χ	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х
		31	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		32	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		33	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х
		34	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		35	Х	Х	Х	Х	х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х
		36	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
2N	2W	1	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	X	Х	Х	X	X	X
		2	Х	Х	Х	X	Х	X	Х	X	Х	X	X	X	Х	X	X	X
		3	X	X	X	Х	Х	X	X	X	X	X	X	X	Х	X	X	X
		4	Х	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
_		5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
_	_	6	X	X	X	X	X	X	X	$\frac{\lambda}{X}$	X	X	X	X	X	X	X	X
_	-	7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
-	_	8	X	X	X	X	X	X	X	X	$\frac{\hat{x}}{x}$	X	X	X	X	X	X	$\frac{1}{x}$
_		9	X	X	X	X	X	X	$\frac{\lambda}{X}$	X	$\frac{\hat{x}}{x}$	X	X	X	X	X	X	$\frac{1}{x}$
_		10	X	X	X	X	X	$\hat{\mathbf{x}}$	$\hat{\mathbf{x}}$	X	_	X	X	X	X	X	X	$\frac{1}{x}$
_		11	_	_		X	X	$\frac{\hat{x}}{x}$	$\frac{}{x}$		X		_		_			_
-	_		X	X	X		_			X	X	X	X	X	X	X	X	X
-		12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
_		13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
_		14	X	X	X	Х	X	X	X	X	X	X	X	X	X	X	X	X
	_	15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
_		16	X	X	X	Х	X	X	X	X	X	X	X	X	X	X	X	X
		17	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X
		18	Х	X	Х	Х	Х	X	X	X	Х	Х	Х	Х	X	Х	Х	X
		19	Х	X	Х	Х	Х	Х	X	X	Х	Х	Х	Х	Х	Х	Х	X
		20	X	Х	Х	Х	Х	X	X	X	Х	X	X	Х	Х	Х	Х	X
		21	Х	Х	Х	Х	Х	Х	X	X	Х	Х	Х	Х	Х	Х	Х	Х
		22	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X
		23	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X
		24	Χ	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	X	Х	Х
		25	Χ	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X
		26	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		27	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Χ	Х	Х	Х	Х	Х
		28	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		29	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х
		30	Χ	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х
		31	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	X
		32	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		33	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		34	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	×
		35	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X
		36	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	>
1N	2W	1	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X
		2	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X
		3	X	Х	X	Х	Х	X	X	Х	X	Х	X	X	X	X	X	X
		4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	<u> </u>
		5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	$\frac{1}{x}$
		6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	$\frac{1}{x}$
		7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	$\frac{1}{x}$
		8	X	X	X	X	X	X	x	X	X	X	X	X	X	X	X	$\frac{1}{x}$
		9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	$\frac{1}{\lambda}$
		-			_				_	_	_	-		_				_
		10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	\vdash
		11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	\rightarrow
		12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	<u> </u>
		13	X	X	X	X	X	X	X	X	X	X	X	X	Х	X	X	X
	-	14	X	X	X	X	X	X	X	X	X	X	X	Х	Х	X	X	X
	l l	15	Х	X	X	X	Х	X	X	X	X	X	X	X	Х	X	X	×

		16	Х	Χ	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	Х	Х
		17	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	ď.	18	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		19	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
_	_	20	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		21	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
-	_	22	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	X	Х	Х	Х	Х
		23	X	Х	X	Х	X	X	X	X	Х	X	X	Х	Х	Х	Х	Х
_	_	24	X	X	X	X	X	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	Х
_	_	25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
_	_	26	X	X	X	X	X	X	X	Х	X	X	X	X	X	Х	X	X
-	-	27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
\rightarrow	\rightarrow	28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
_	_	29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
_	-	30	$\frac{\hat{x}}{x}$	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
-	-+	-	x	X	X		_	X	X	X	X	X	X	X	$\frac{\hat{x}}{x}$	X	X	X
-	-	31				X	X	_	_	_	_	_		_	-	_	_	_
-	-	32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
-	-	33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
-		34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
-+	_	35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10	2141	36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
15	2W	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
_		3	X	X	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	X	Х
		4																X
		10	X	X	X	Х	Х	X	X	Х	X	Х	Х	Х	Х	X	X	X
		11	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	X	X	X
		12	Χ	X	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	X	X	X	X
		13	Χ	Χ	X	X	Х	Х	X	Х	Х	X	Х	Х	Х	Х	Х	Х
		14	X	X	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х
		15	Χ	X	X	X	Х	Х	Х	Х					Х	Х	Х	Х
		22	Χ	Х	Х	Х												
		23	Х	Х	Х	Х									Х	Х		
		24	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х
		25	Х	Χ	Х	Х	Х	X	Х	Х					Х	Х	Х	Х
		26	Χ	Х		Х	Х	Х										
4N	3W	1	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х
		2	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		3									Х	Х	Х	Х	Х	Х	Х	Х
		6									Х	Х	Х	Х	Х	Х	Х	Х
		7	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		8	Х	Х	Х	Х	Х	X	Х	Х	Х	X	Х	Х	Х	Х	Х	X
		9									Х	X	Х	Х	Х	Х	Х	X
		10	Х	Х	Х	Х	Х	Х	Х	Х	X	X	X	X	Х	X	X	X
-	-	11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
_		12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
-		13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
-+	-	14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
-+		17	_	X	X	×	×	X	X	X	X	X	X	X	x	X	X	X
-+	_	_	X				_	-	X	X	X	X	X	X	X	X	X	X
		18	X	X	X	X	X	X	_	_		X		_	_	X	X	X
-	-	19	X	X	X	X	X	X	X	X	X		X	X	X	_	-	-
		20	X	X	X	X	X	X	X	X	X	X	X	X	Х	X	X	X
		21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		22	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	X	X	X	X	X
		23	Х	Х	Х	X	X	X	Х	Х	X	X	Х	Х	X	X	Х	X
		24	X	X	X	X	X	Х	Х	X	Х	Х	Х	X	Х	X	X	X
		25	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	X	Х	Х	X	X	X
		26	Х	Х	X	X	Х	Х	X	Х	Х	X	X	X	Х	X	X	l x

		27	Х	Х	Х	Х	Х	Х	Х	X	Х	X	Х	Х	Х	Х	Х	X
		28	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		29	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х
		30	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		31	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		32	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		33	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		34	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		35	Х	Х	Χ	Х	Χ	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Χ	Х
		36	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х
3N	3W	1	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х
		2	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х
		3	Х	Х	Χ	Х	Х	Х	Χ	Х	Х	Х	Х	Χ	Х	Х	Х	Х
		4	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х
		5	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		6	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Χ	Х	Х	Х
		7	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		8	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		9	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х
		10	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х
		11	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		12	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		13	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		14	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		15	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		16	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х
		17	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		18	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		19	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		20	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		21	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		22	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х
		23	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		24	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		25	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		26	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х
		27	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		28	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		29	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		30	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		31	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		32	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		33	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		34	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х
		35	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		36	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	. X	Х	Х	_ X	Х	Х
2N	3W	1	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		2	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		3	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х
		4	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		5	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		6	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	. Х	Х	Х	Х	Х	Х
		7	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х
		8	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		9	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		10	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		11	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		12	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		13	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		14	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х

		15	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		16	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		17	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х
		18	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		19	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х
		20	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		21	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		22	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х
		23	Х	Х	Х	Х	Х	Х	Х	Х	X	х	Х	Х	Х	Х	х	Х
		24	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		25	Х	Х	X	Х	X	X	X	X	Х	Х	X	Х	Х	Х	Х	Х
		26	Х	X	Х	X	X	X	X	X	X	X	X	Х	Х	X	X	Х
		27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
_	_	30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
-		31	X	X	X	X	X	X	$\frac{\hat{x}}{x}$	X	X	X	X	X	X	X	X	X
		32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
_			_	_		X	X	$\hat{\mathbf{x}}$	$\frac{\hat{x}}{x}$		x	X	X	X	_	_	-	X
		33	X	X	X			_	_	X	-	_	_	_	X	X	X	X
		34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
_	_	35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
181	2147	36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_
1N	3W	1	X	X	X	X	X	X	X	X	X	X	X	Х	X	X	X	X
		2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		3	Х	Х	Х	Х	Х	X	Х	X	X	X	X	Х	Х	Х	Х	Х
		4	Х	Х	Х	Х	Х	X	Х	X	Х	Х	Х	Х	Х	Х	Х	Х
		5	Х	Х	Х	Х	Х	Х	Х	X	Х	X	Х	Х	Х	X	Х	Х
		6	X	Х	Х	Х										Ų.		
		7	Х	Х	Х	X	Х	X	Х	X	Х	X	Х	Х	X	Х	X	Х
		8	Х	Х	Х	Х												
		9	X	Х	Х	Х	Х	Х	Х	X	X	Х	Х	Х	Х	X	X	X
		10	Х	Х	Х	Χ	Х	Х	X	X	Х	Х	Х	Х	Х	Х	Х	Х
		11	Х	Х	Х	Х	Х	Х	Х	X	X	Х	Х	Х	Х	X	Х	X
		12	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	X	X
		13	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	X
		14	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х
		15	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	X	Х
		16	Х	Х	Х	Х	Х	Х	Х	Х					Х	Х	Х	Х
		21	Χ															
		22	Х	Х	Х	Х	Х	Х	Х	Х					Х	Х	Х	Х
		23	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		24	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х
		25	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		26	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		35	Х													Ĭ		
		36	Х	Х	Х	Х	Х	Х	Х	Х								
5N	4W	19	X	Х	X	X	X	X	X	X	Х	X	Х	Х	Х	Х	Х	Х
		20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		27			<u> </u>		X	X	X	X	X	X	X	X	X	X	X	T X
		28	Х	Х	Х	Х	X	X	X	X	X	X	X	X	X	X	X	X
_		29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
_		30	X	X	X	X	X	X	X	X	X	X	X	X	X	x	X	
		_	_	_	_	-		-	-	_	-	-	X	X	_	_	X	X
		31	X	X	X	X	X	X	X	X	X	X	_		X	X	-	-
		32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		34	Х	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		35		X	X	Х	Х	Х	Х	Х	X	X	X	X	Х	X	X	X
		36									Х	X	X	Х				X
4N	4W	1	Х	X	X	X	X.	X	X	l X	Х	X	l X	l X	Х	X	X	1

		2	X	X	Х	X	X	X	X	X	X	X	X	X	Х	Х	X	Х
		3	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		4	Х	Х	Χ	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		5	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		6	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		7	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х
		8	Х	Χ	Х	Χ	Х	Χ	Χ	Χ	Х	Х	Х	Χ	Χ	Χ	Χ	Х
		9	Χ	Χ	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		10	Х	Х	Х	X	Х	Х	Χ	Х	Χ	Х	Х	Х	Х	Х	Х	Х
		11	Х	Х	Х	Χ	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х
		12	Х	Χ	Х	Х	Χ	Х	Χ	Х	Х	Х	Χ	Х	Х	Х	Х	Х
		13	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х
		14	Χ	Х	Χ	Х	Х	X	Х	Х	X	Х	Х	Х	Х	Х	X	Х
		15	Х	Х	Х	Х	X	Х	Х	Х	X	X	Х	Х	Х	Х	Х	Х
		16	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х
		17	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	X
		18	Χ	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X
		19	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X
		20	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		21	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х
		22	Х	Х	X	Х	Х	X	X	Х	Х	Х	Х	Х	Х	Х	Х	Х
		23	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		24	Х	Х	Х	Х	Х	X	X	Х	Х	X	X	Х	Х	Х	Х	Х
		25	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		26	X	Х	Х	Х	Х	Х	Х	Х	Х	X	X	Х	Х	Х	Х	Х
		27	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	X	Х	Х
		28	Х	Х	Х	Х	Х	X	Х	Х	Х	X	Х	Х	_ X	X	Х	Х
		29	Х	X	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	X	Х	X
		30	Х	Х	Х	Х	Х	Х	X	X	Х	Х	Х	Х	Х	X	X	Х
		31	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х
		32	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
		33	X	Х	Х	X	X	X	Х	X	Х	X	Х	Х	Х	X	Х	Х
		34	Х	Х	Х	Х	X	X	X	Х	Х	X	X	Х	Х	X	X	X
		35	Х	Х	Х	Х	Х	Х	X	Х	Х	X	Х	Х	Х	X	Х	- X
		36	Х	Х	Х	X	Х	X	Х	X	Х	X	X	Х	Х	X	Х	X
3N	4W	1	Х	Х	Х	Х	Х	X	X	X	Х	X	X	Х	Х	X	X	X
		2	Х	Х	Х	X	Х	X	Х	Х	Х	Х	X	Х	Х	X	X	X
		3	X	X	Х	X	X	X	X	X	Х	X	X	Х	. X	X	X	X
		4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	_	6	Х	X	X	X	Х	X	X	X	X	X	X	X	X	X	X	Х
	-	7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	-	8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
_	-	9	X	X	X	, X	X	X	X	X	X	X	X	X	X	X	X	X
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		28	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	1
		29	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	1
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		31	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	X	1
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		36	X	Х	Х	X	X	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	T
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		4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	+
	-	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	+
		6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	+
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		17	X	X	X	X	X	X	X	X	Х	X	X	Х	X	Х	X	Х
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		23	X	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
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		36	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
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		26	X	X	X	Х	X	X	Х	X	X	X	X	Х	Х	X	X	X
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		36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
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		11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
\vdash		13	x	X	X	X	X	X	X	X	X	X	X	X	X	X	X	x
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MEMORANDUM OF UNDERSTANDING

THIS MEMORANDUM OF UNDERSTANDING ("MOU") is made this Z i day of Pril 2020 by and between Cat Creek Energy, LLC ("Seller") and Black Canyon Irrigation District ("Buyer"). The purpose of this MOU is to set forth the basic terms and conditions of the sale of storage water shares from Seller to Buyer (the "Parties" or individually "Party"). This MOU does not constitute a legally binding agreement (except to the extent described below), and is subject to: (i) the negotiation and execution of a subsequent Definitive Agreement (the "Definitive Agreement"); and (ii) Seller and Buyer obtaining all consents, approvals, and authorizations of any governmental authorities and other third parties legally required.

WHEREAS Seller is developing an off-stream reservoir (the "Reservoir Project") in the vicinity of Anderson Ranch Reservoir in Idaho Department of Water Resources' ("IDWR") Administrative Basin 63 ("Basin 63"). The Reservoir Project is being developed primarily as a pump storage hydropower generation project with related beneficial use water storage opportunities.

WHEREAS the Reservoir Project is anticipated to have a total storage capacity of approximately 100,000 acre-feet. It is anticipated that the Reservoir Project will store water for hydropower, irrigation, and municipal purposes of use; however, other purposes of use may be considered. Of the anticipated 100,000 acre-feet of storage, approximately 80,000 acre-feet will be made available for irrigation and municipal purposes of use. The Reservoir Project will store unappropriated water from the South Fork of the Boise River for beneficial use.

WHEREAS Seller has filed Applications for Permit with IDWR for the hydropower purpose of use associated with the Reservoir Project, and for 30,000 acre-feet of downstream uses.

WHEREAS Seller has secured legal access to the place of use for the Reservoir itself through a lease with the real property owner of record.

WHEREAS Seller has initiated the process of securing legal access to the point of diversion for the Reservoir Project.

WHEREAS Seller is in the process of preparing an Application for Permit to file with IDWR for 50,000 acre-feet of additional downstream uses associated with the Reservoir Project.

WHEREAS Seller is in the process of securing the necessary approvals for the Reservoir Project from the United States Bureau of Reclamation ("USBR"), having been selected to proceed with the Lease of Power Privilege process.

WHEREAS Seller has secured five Conditional Use Permits for the Reservoir Project from Elmore County.

WHEREAS Seller has secured a Preliminary Permit for the Reservoir Project from the Federal Energy Regulatory Commission ("FERC").

WHEREAS Seller may need to obtain additional regulatory approvals for the Reservoir Project.

WHEREAS Seller anticipates stored water from the Reservoir Project being made available for beneficial use by providers of irrigation and/or irrigation water by 2024.

WHEREAS Seller wishes to sell shares of storage water in the Reservoir Project to providers of irrigation water.

WHEREAS Buyer provides irrigation water to its patrons in Basin 63, within Buyer's service area, as defined in Buyer's water rights to be filed with IDWR (Buyer's "Service Area").

WHEREAS Buyer wishes to secure a volume of irrigation storage water from Seller for beneficial use within Buyer's Service Area.

WHEREAS Buyer owns and/or operates a system of existing diversion and distribution works to convey and deliver water throughout its Service Area.

WHEREAS Buyer acknowledges Seller may negotiate with other providers of irrigation and/or municipal water for storage water in the Reservoir Project for use within their respective boundaries or service areas, as the case may be.

WHEREAS Buyer acknowledges any irrigation storage water it acquires from Seller may not be rented, leased, or sold to any third party, absent a written agreement as to the terms of said rental, lease, or sale, which written agreement shall not be unreasonably withheld by Seller.

NOW, THEREFORE, in consideration of the foregoing and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties agree as follows:

TERMS OF MOU

- 1. Execution of this MOU. Upon execution of this MOU, Buyer reserves the right to negotiate the purchase of up to fourteen thousand (14,000) shares in the Reservoir Project from Seller. One share is equal to one acre-foot of storage space in the Reservoir Project. The Parties shall proceed in good faith toward the negotiation and execution of a Definitive Agreement, which will contain mutually agreeable terms, representations, conditions, covenants, and indemnities appropriate for transactions of this type.
- 2. <u>Negotiation of Definitive Agreement</u>. Each of the Parties hereto covenants and agrees that, following the execution and delivery of this MOU, they will promptly, expeditiously and in good faith proceed to negotiate a Definitive Agreement between them, and that they will promptly begin seeking approvals and funding to implement any such agreement successfully negotiated and executed by them. Issues that must be satisfactorily addressed and negotiated prior to the execution of any Definitive Agreement include, but are not limited to: (a) the cost of

storage water, the number of storage water shares, and the payment structure; (b) allocation of costs for operation and maintenance of the Reservoir Project; (c) allocation of future costs and upgrades for the Reservoir Project; (d) how allocation of storage water will occur in years when fill of the 80,000 acre-feet in the Reservoir Project for irrigation and irrigation purposes of use does not occur; and (e) Parties establishing terms and conditions for any third party rental, lease, or sale of Reservoir Project storage water acquired by Buyer from Seller.

- 3. <u>Due Diligence</u>. The Parties and their representatives shall fully cooperate with each other in order to ensure that each Party is able to perform full and fair due diligence, including executing such further and additional documents as may be necessary to carry this MOU or any resulting Definitive Agreement into full force and effect. The due diligence period shall commence on the date of execution of this MOU and shall be effective until such time as all necessary permits for the Reservoir Project are obtained, or five years from said execution, whichever comes first. Buyer's access to Seller's books and records may be required in order to conduct such due diligence. Seller shall have access to such Public Records held by buyer that are subject to disclosure under Chapter 1, Title 74, Idaho Code in order to conduct such due diligence. Access to the Parties' books and records shall not be unreasonably withheld.
- 4. <u>Confidentiality.</u> Pursuant to the Idaho Public Records Act ("IPRA"), Idaho Code sections 74-101, et seq., information or documents received by Buyer from Seller may be open to public inspection and copying, unless exempt from disclosure under a specific provision of IPRA, e.g., Idaho Code section 74-107(1) (trade secrets). Where appropriate pursuant to the definition of "trade secrets" set forth therein, Seller may clearly designate individual documents as exempt from public disclosure by clearly labeling each page of any such documents "trade secrets" or other applicable exemption. Seller shall indemnify and defend Buyer against all liability, claims, damages, losses, expenses, actions, attorney fees and suits whatsoever for honoring such a designation or for Seller's failure to designate individual documents as exempt. Seller's failure to designate as exempt any document or portion of a document that is released by Buyer shall constitute a complete waiver of any and all claims for damages caused by any such release.
- 5. Non-Disclosure. Unless otherwise provided herein, each Party agrees that prior to the execution of a Definitive Agreement, unless required to comply with applicable law, neither Party shall make any public announcement of this MOU or any matter relating to the Reservoir Project without the prior written consent of the other Party, which consent shall not be unreasonably withheld. Each Party shall, to the extent possible, maintain procedures to restrict knowledge of the MOU to those who need to know about it. The Parties hereby agree that prior written consent is not required if disclosure of the Reservoir Project is needed to secure necessary approvals from IDWR, USBR, FERC, Elmore County, any other public official, or public entity.
- 6. <u>Fees and Expenses</u>. Each Party shall be responsible for its own respective legal counsel, engineering, accounting, investment banking and other consultants, experts, and expenses incurred in connection with this MOU, any subsequent Definitive Agreement, and all matters related thereto.

- 7. Non-binding MOU. This MOU evidences the intent of each Party to proceed in good faith to pursue negotiation and execution of a Definitive Agreement. Except for the provisions contained in paragraphs 3, 4, and 5, above, nothing herein shall constitute a legally binding agreement between the Parties. If an issue regarding paragraphs 3 and/or 4 arises, the Parties shall use their best efforts to amicably resolve their differences. If amicable resolution does not resolve the disagreement concerning paragraphs 3, 4 and/or 5, the dispute shall be resolved by formal mediation, and if unsuccessful, then by arbitration. Unless otherwise governed by the terms of a subsequent Definitive Agreement entered into in writing by the Parties, or unless otherwise provided herein, neither Party shall be under any obligation to the other for damages, expenses or otherwise, irrespective of any negotiations, agreements or understandings heretofore or hereafter existing between the Parties, and irrespective of any implied course of conduct between the Parties.
- 8. <u>Termination</u>. This MOU shall automatically terminate and be of no further force or effect upon the earlier of: (a) the successful negotiation and execution of a Definitive Agreement by the Parties hereto; or (b) five years after execution of this MOU. During the period in which this MOU is in force and effect, the terms of the MOU are binding upon the Parties. In the event of termination, the terms of the MOU shall remain binding upon the Parties and their successors to the extent allowable by applicable law. However, the Parties may mutually agree, in writing, to extend the termination date.
- 9. <u>Notice</u>. Any notices required in this MOU shall be deemed sufficient if personally delivered or if mailed, postage prepaid as follows:

Seller: Cat Creek Energy, LLC	
	-

Buyer: Black Canyon Irrigation District PO Box 226 Notus, ID 83656

- 10. MOU Superseded by the Definitive Agreement. The terms and conditions of this MOU shall be superseded by any subsequent Definitive Agreement executed by the Parties.
- 11. Governing Law. This MOU shall be governed by and construed in accordance with the laws of the State of Idaho.
- 12. <u>Headings</u>. The headings contained herein are for convenience only and do not explain, define, limit, amplify, or aid in the interpretation, construction, or meaning of the provisions of the MOU.

- 13. <u>Effect</u>. This MOU shall inure to the benefit of the parties hereto and their respective successors and assigns. Execution of this MOU in and of itself does not legally obligate the Parties to enter into a Definitive Agreement or guarantee the successful negotiation of such an agreement; rather the Parties merely commit themselves to using their best good faith efforts to negotiate and execute a mutually acceptable Definitive Agreement going forward.
- 14. <u>Execution of the MOU</u>. The MOU shall be of no force or effect until executed by both Parties.

Cat Cre	ek Energy, LLC	
By:	John Haulken	
Name/_	John Faulkner	
Title: <u>U</u>	Manager	
Date:	04/21/2020	

Black Canyon Irrigation District

By:	cu		
Name:	Adam Blan	k	
Title:	Chairman	BCID	
Date:	3-10-20		

MEMORANDUM OF UNDERSTANDING

THIS MEMORANDUM OF UNDERSTANDING ("MOU") is made this 21 day of 2020 by and between Cat Creek Energy, LLC ("Seller") and the City of Nampa ("Buyer"). The purpose of this MOU is to set forth the basic terms and conditions for discussing and negotiating a possible future sale of storage water shares from Seller to Buyer (the "Parties" or individually "Party"). This MOU does not constitute a legally binding agreement, and is subject to: (i) the negotiation and execution of a subsequent written Definitive Agreement (the "Definitive Agreement" described in paragraphs 1 and 2 below); and (ii) Seller and Buyer obtaining all consents, approvals, and authorizations of any governmental authorities and other third parties legally required to achieve the purpose of this MOU.

WHEREAS Seller is developing an off-stream reservoir (the "Reservoir Project") in the vicinity of Anderson Ranch Reservoir in Idaho Department of Water Resources' ("IDWR") Administrative Basin 63 ("Basin 63"). The Reservoir Project is being developed primarily as a pump storage hydropower generation project with related beneficial use water storage opportunities.

WHEREAS the Reservoir Project is anticipated to have a total storage capacity of approximately 100,000 acre-feet. It is anticipated that the Reservoir Project will store water for hydropower, irrigation, and municipal purposes of use; however, other purposes of use may be considered. Of the anticipated 100,000 acre-feet of storage, approximately 80,000 acre-feet will be made available for irrigation and municipal purposes of use. The Reservoir Project will store unappropriated water from the South Fork of the Boise River for beneficial use.

WHEREAS Seller has filed an Application for Permit with IDWR for the hydropower purpose of use associated with the Reservoir Project.

WHEREAS Seller has secured legal access to the place of use for the Reservoir itself through a lease with the real property owner of record.

WHEREAS Seller has initiated the process of securing legal access to the point of diversion for the Reservoir Project.

WHEREAS Seller is in the process of preparing an Application for Permit to file with IDWR for the other purposes of use associated with the Reservoir Project.

WHEREAS Seller is in the process of securing the necessary approvals for the Reservoir Project from the United States Bureau of Reclamation ("USBR"), having been selected to proceed with the Lease of Power Privilege process.

WHEREAS Seller has secured five Conditional Use Permits for the Reservoir Project from Elmore County.

WHEREAS Seller has secured a Preliminary Permit for the Reservoir Project from the Federal Energy Regulatory Commission ("FERC").

WHEREAS Seller may need to obtain additional regulatory approvals for the Reservoir Project.

WHEREAS Seller anticipates stored water from the Reservoir Project being made available for beneficial use by providers of irrigation and/or municipal water by 2024.

WHEREAS Seller wishes to sell shares of storage water in the Reservoir Project to providers of irrigation and/or municipal water.

WHEREAS Buyer provides municipal water to its patrons in Basin 63, within Buyer's service area, as defined in Buyer's water rights on file with IDWR (Buyer's "Service Area").

WHEREAS Buyer wishes to negotiate the possible future purchase of shares of storage water in the Reservoir Project for beneficial use within Buyer's Service Area.

WHEREAS Buyer owns and operates a system of existing diversion and distribution works to convey and deliver water throughout its Service Area.

WHEREAS Buyer acknowledges Seller may negotiate with other providers of irrigation and/or municipal water for storage water in the Reservoir Project for use within their respective boundaries or service areas, as the case may be.

TERMS OF MOU

- 1. <u>Execution of this MOU</u>. Upon execution of this MOU, Buyer reserves the right to negotiate the purchase of shares in the Reservoir Project from Seller. One share is equal to one acre-foot of storage space in the Reservoir Project. The Parties shall proceed in good faith toward the negotiation and execution of a written Definitive Agreement, which if entered into will memorialize Buyer's right to purchase shares in the Reservoir Project and will contain mutually agreeable terms, representations, conditions, covenants, and indemnities appropriate for transactions of this type.
- 2. Negotiation of Definitive Agreement. Following the execution and delivery of this MOU, the Parties will (a) promptly, expeditiously and in good faith proceed to negotiate and potentially execute, in each Party's sole discretion, a Definitive Agreement between them, and (b) as appropriate will promptly begin seeking their respective approvals and funding to implement any Definitive Agreement successfully negotiated and executed by them. Issues that must be satisfactorily addressed and negotiated prior to the execution of any Definitive Agreement include, but are not limited to: (a) the cost of storage water, the number of storage water shares, and the payment structure; (b) allocation of costs for operation and maintenance of the Reservoir Project; (c) allocation of future costs and upgrades for the Reservoir Project; (d) how allocation of storage water will occur in years when fill of the 80,000 acre-feet in the Reservoir Project for irrigation and municipal purposes of use does not occur; and (e) Parties

establishing terms and conditions for any third party rental, lease, or sale of Reservoir Project shares acquired by Buyer from Seller.

- 3. <u>Due Diligence</u>. The Parties and their representatives shall fully cooperate with each other in order to ensure that each Party is able to perform full and fair due diligence in furtherance of the purpose of this MOU. The due diligence period shall commence on the date of execution of this MOU and shall be effective until such time as all necessary approvals for the Reservoir Project are obtained, or five years from said execution, or until a Definitive Agreement is executed, whichever comes first. Each Party, in its sole discretion, may withhold access to or disclosure of any information to the other Party. Seller shall provide Buyer with access to Seller's books and records in order to conduct such due diligence. Buyer shall provide Seller with access to Buyer's Public Records that are subject to disclosure under Chapter 1, Title 74, Idaho Code, in order to conduct such due diligence. Access to the Parties' books and records shall not be unreasonably withheld.
- 4. Confidentiality. Pursuant to the Idaho Public Records Act, Chapter 1, Title 74, Idaho Code ("IPRA"), information or documents received by Buyer from Seller may be open to public inspection and copying, unless exempt from disclosure under a specific provision of IPRA, e.g., Idaho Code section 74-107(1) (trade secrets). Where appropriate pursuant to the IPRA, Seller may clearly designate individual documents provided to Buyer as exempt from public disclosure by clearly labeling each page of any such documents "trade secrets" or other applicable exemption. Seller shall indemnify and defend Buyer against all liability, claims, damages, losses, expenses, actions, attorney fees and suits whatsoever for honoring such a designation or for Seller's failure to designate individual documents as exempt from public disclosure. Seller's failure to designate as exempt any document or portion of a document that is released by Buyer shall constitute a complete waiver of any and all claims for damages caused by any such release.
- Definitive Agreement, unless required to comply with applicable law, neither Party shall make any public announcement of this MOU or any matter relating to the Reservoir Project without the prior written consent of the other Party, which consent shall not be unreasonably withheld. Absent such written consent, each Party shall respond to all inquiries with respect to the MOU by stating that it is the policy of such Party not to comment on such matters. Each Party shall, to the extent possible, maintain procedures to restrict knowledge of the MOU to those who need to know about it for purposes of due diligence, obtaining necessary approvals, or negotiating a Definitive Agreement. Prior written consent described in this paragraph is not required if disclosure of this MOU or the Reservoir Project is needed to comply with the IPRA or any other state or local laws or regulations, or to secure necessary approvals from IDWR, USBR, FERC, Elmore County, or any other public official or governmental entity.
- Fees and Expenses. Each Party shall be responsible for its own respective fees
 and costs related to this MOU, obtaining any necessary approvals, any subsequent Definitive
 Agreement, and all matters related thereto, including without limitation fees and costs for legal

counsel, engineering, accounting, investment banking and other consultants, experts, and expenses.

- 7. Non-binding MOU. This MOU evidences the intent of each Party to proceed in good faith to pursue negotiation and potential execution of a Definitive Agreement. Nothing herein shall constitute a legally binding agreement between the Parties.
- 8. <u>Termination</u>. This MOU shall automatically terminate and be of no further force or effect upon the earlier of: (a) the successful negotiation and execution of a Definitive Agreement by the Parties hereto; (b) five years after execution of this MOU; or (c) a written notice of termination executed by either Party. However, the Parties may mutually agree, in writing, to extend the termination date.
- 9. <u>Notice</u>. Any notices required in this MOU shall be in writing and shall be deemed sufficient if e-mailed, personally delivered or if mailed, postage prepaid as follows:

Cat Creek Energy, LLC				
	-		V.	33
Buyer:	77.			
City of Nampa Note W. Runyan (208) 468-4493	Deputy	Public Work	4 Di	rector
(208) 468-4493	runyar	in ecity of a	ampo	1.W5

- 10. MOU Superseded by the Definitive Agreement. The terms and conditions of this MOU shall be superseded by any subsequent Definitive Agreement executed by the Parties.
- 11. <u>Governing Law</u>. This MOU shall be governed by and construed in accordance with the laws of the State of Idaho. The place of jurisdiction and venue for any legal action or proceedings with respect to this MOU will lie exclusively in Idaho state district court in Canyon County, Idaho.
- 12. <u>Headings</u>. The headings contained herein are for convenience only and do not explain, define, limit, amplify, or aid in the interpretation, construction, or meaning of the provisions of the MOU.
- 13. <u>Effect</u>. This MOU shall inure to the benefit of the parties hereto and their respective successors and assigns. Execution of this MOU does not legally obligate the Parties to enter into a Definitive Agreement or guarantee the successful negotiation of such an agreement; rather the Parties merely desire to use good faith efforts to negotiate and execute a mutually acceptable Definitive Agreement. Nothing in this MOU shall be construed as creating any agency, joint venture, partnership, or other formal business relationship or association between the Parties or obligating either Party to purchase from or provide any goods or services to the other Party.

Seller:

14. Execution of the MOU. The MOU shall be of no force or effect until executed by both Parties.

Cat Creek Energy, LLC
By: Jaulh
Name: () John Faulkner
Title: Manager
Date: 04) 24 1 20 20
City of Nampa, Idaho Mayor Debbie Kling Date
Attest:

From:

Thorneycroft, Kensie

Sent:

Thursday, May 14, 2020 1:54 PM

To:

'jamie.gough@usda.gov'

Subject:

Application for Permit of 63-34897 & 63-34900

Attachments:

Agency Recommendation Form.docx

Dear Interested Party:

The Idaho Department of Water Resources (IDWR) is seeking written comment and/or recommendations from your organization regarding the above referenced water right application. You can find a copy of the application at: https://idwr.idaho.gov/apps/ExtSearch/WRAJSearch/WRADJSearch.aspx. Please review the application, complete the enclosed recommendation form, and submit it to this office within 21 days of the date of this letter.

IDWR can finish reviewing an unprotested application as soon as the protest period has past. Therefore, your prompt response to this request is appreciated. If your organization desires to formally protest the approval of this application, you may do so after the notice is published by filing a written protest along with a \$25.00 filing fee within 10 days after final publication.

Please contact this office if you have any questions regarding the application.

From:

Thorneycroft, Kensie

Sent:

Thursday, May 14, 2020 1:49 PM

To:

Skoro, Emily

Cc:

Clark, Cynthia Bridge

Subject:

Application for Permit of 63-34897 & 63-34900

Dear Interested Party:

The Idaho Department of Water Resources (IDWR) is seeking written comment and/or recommendations from your organization regarding the above referenced water right application. You can find a copy of the application at: https://idwr.idaho.gov/apps/ExtSearch/WRAJSearch/WRADJSearch.aspx. Please review the application, complete the enclosed recommendation form, and submit it to this office within 21 days of the date of this letter.

IDWR can finish reviewing an unprotested application as soon as the protest period has past. Therefore, your prompt response to this request is appreciated. If your organization desires to formally protest the approval of this application, you may do so after the notice is published by filing a written protest along with a \$25.00 filing fee within 10 days after final publication.

Please contact this office if you have any questions regarding the application.

From:

Thorneycroft, Kensie

Sent:

Thursday, May 14, 2020 1:51 PM

To:

Boe, Erik

Subject:

Application for Permit of 63-34897 & 63-34900

Attachments:

Agency Recommendation Form.docx

Dear Interested Party:

The Idaho Department of Water Resources (IDWR) is seeking written comment and/or recommendations from your organization regarding the above referenced water right application. You can find a copy of the application at: https://idwr.idaho.gov/apps/ExtSearch/WRAJSearch/WRADJSearch.aspx. Please review the application, complete the enclosed recommendation form, and submit it to this office within 21 days of the date of this letter.

IDWR can finish reviewing an unprotested application as soon as the protest period has past. Therefore, your prompt response to this request is appreciated. If your organization desires to formally protest the approval of this application, you may do so after the notice is published by filing a written protest along with a \$25.00 filing fee within 10 days after final publication.

Please contact this office if you have any questions regarding the application.

From: Thorneycroft, Kensie

Sent:Thursday, May 14, 2020 1:52 PMTo:'Danielle.Merriman@deq.idaho.gov'Cc:'Lance.Holloway@deq.idaho.gov'

Subject: Application for Permit of 63-34897 & 63-34900

Attachments: Agency Recommendation Form.docx

Dear Interested Party:

The Idaho Department of Water Resources (IDWR) is seeking written comment and/or recommendations from your organization regarding the above referenced water right application. You can find a copy of the application at: https://idwr.idaho.gov/apps/ExtSearch/WRAJSearch/WRADJSearch.aspx. Please review the application, complete the enclosed recommendation form, and submit it to this office within 21 days of the date of this letter.

IDWR can finish reviewing an unprotested application as soon as the protest period has past. Therefore, your prompt response to this request is appreciated. If your organization desires to formally protest the approval of this application, you may do so after the notice is published by filing a written protest along with a \$25.00 filing fee within 10 days after final publication.

Please contact this office if you have any questions regarding the application.

From:

Thorneycroft, Kensie

Sent:

Thursday, May 14, 2020 1:53 PM 'bill.bosworth@idfg.idaho.gov'

To: Subject:

Application for Permit of 63-34891, 63-34897, & 63-34900

Attachments:

IDFG Recommendation Form.docx

Dear Interested Party:

The Idaho Department of Water Resources (IDWR) is seeking written comment and/or recommendations from your organization regarding the above referenced water right application. You can find a copy of the application at: https://idwr.idaho.gov/apps/ExtSearch/WRAJSearch/WRADJSearch.aspx. Please review the application, complete the enclosed recommendation form, and submit it to this office within 21 days of the date of this letter.

IDWR can finish reviewing an unprotested application as soon as the protest period has past. Therefore, your prompt response to this request is appreciated. If your organization desires to formally protest the approval of this application, you may do so after the notice is published by filing a written protest along with a \$25.00 filing fee within 10 days after final publication.

Please contact this office if you have any questions regarding the application.

From:

Thorneycroft, Kensie

Sent:

Thursday, May 14, 2020 1:55 PM

To:

'WATERDISTRICT63@QWESTOFFICE.NET'

Subject:

Application for Permit of 63-34894, 63-34896, 63-34891, 63-34897 & 63-34900

Attachments:

Watermaster Recommendation Form.docx

Dear Interested Party:

The Idaho Department of Water Resources (IDWR) is seeking written comment and/or recommendations from your organization regarding the above referenced water right application. You can find a copy of the application at: https://idwr.idaho.gov/apps/ExtSearch/WRAJSearch/WRADJSearch.aspx. Please review the application, complete the enclosed recommendation form, and submit it to this office within 21 days of the date of this letter.

IDWR can finish reviewing an unprotested application as soon as the protest period has past. Therefore, your prompt response to this request is appreciated. If your organization desires to formally protest the approval of this application, you may do so after the notice is published by filing a written protest along with a \$25.00 filing fee within 10 days after final publication.

Please contact this office if you have any questions regarding the application.



WESTERN Region • 2735 W AIRPORT WAY • BOISE, ID 83705-5082 Phone: (208)334-2190 • Fax: (208)334-2348 • Website: www.idwr.idaho.gov

> Gary Spackman Director

May 14, 2020

(TO MULTIPLE ENTITIES)

RE: Application for Permit No. 63-34897 & 63-34900

Dear Interested Parties:

The Department of Water Resources (IDWR) is seeking written comment and/or recommendations from your organization regarding the above referenced water right application. You can find a copy of the application at: https://idwr.idaho.gov/apps/ExtSearch/WRAJSearch/WRADJSearch.aspx.

IDWR can finish revieweing an unprotested application as soon as the protest period has past. Therefore, your prompt response to this request is appreciated. If your organization desires to formally protest the approval of this application, you may do so after the notice is published by filing a written protest along with a \$25.00 filing fee within 10 days of the final publication.

Please contact this office if you have any questions regarding the application.

Sincerely,

Kensie Thorneycroft
Administrative Assistant 1

Enclosure(s)

DISTRIBUTION LIST:

Interested parties

ELMORE COUNTY BOARD OF COMMISSIONERS ELMORE COUNTY COURTHOUSE 150 S 4th E STE 3 MOUNTAIN HOME ID 83647

BRYCE FARRIS
DANIEL V STEENSON
ANDREW J WALDERA
SAWTOOTH LAW OFFICES PLLC
1101 W RIVER ST STE 110
PO BOX 7985
BOISE ID 83707

ALBERT P BARKER
BARKER ROSHOLT & SIMPSON LLP
1010 W JEFFERSON ST STE 102
PO BOX 2139
BOISE ID 83701-2139

ABIGAIL R GERMAINE DEPUTY CITY ATTORNEY BOISE CITY ATTORNEYS OFFICE 150 N CAPITOL BLVD PO BOX 500 BOISE ID 83701-0500

CHARLES L HONSINGER PO BOX 517 BOISE ID 83701-0517

WENDI COMBS 704 LINDENWOOD DR NAMPA ID 83638

RICHARD F GOODSON DANA L HOFSTETTER HAWLEY TROXELL ENNIS & HAWLEY PO BOX 1617 BOISE ID 83701 IDAHO CONSERVATION LEAGUE C/O MARIE CALLAWAY KELLNER PO BOX 844 BOISE ID 83701

IDAHO CONSERVATION LEAGUE C/O MATTHEW NYKIEL PO BOX 2308 SANDPOINT ID 83864

STATE OF IDAHO
OFFICE OF THE ATTORNEY GENERAL
MICHAEL C ORR
ANN Y VONDE
DEPUTY ATTORNEY GENERAL
PO BOX 83720
BOISE ID 83720-0010

IDAHO DEPARTMENT OF LANDS ATTN: MICHELE ANDERSON 3284 W INDUSTRIAL LOOP COEUR D ALENE ID 83815

JOHN K SIMPSON BARKER ROSHOLT & SIMPSON 1010 W JEFFERSON ST STE 102 PO BOX 2139 BOISE ID 83701-2139

MICHAEL P LAWRENCE CHRISTOPHER H MEYER GIVENS PURSLEY LLP 601 W BANNOCK ST PO BOX 2720 BOISE ID 83701-2720

ALLEN R THOMPSON 406 N THOMPSON HILL RD KING HILL ID 83633-3412

TREE TOP RANCHES LP C/O BILL MULDER 101 S CAPITOL BLVD STE 1801 BOISE ID 83702 TROUT UNLIMITED INC C/O PETER R ANDERSON 910 W MAIN ST STE 342 BOISE ID 83702

UNITED STATES OF AMERICA BUREAU OF RECLAMATION C/O E GAIL MCGARRY 1150 N CURTIS RD STE 100 BOISE ID 83706-1234

USDI BLM IDAHO STATE OFFICE C/O FRED PRICE 1387 S VINNELL WAY BOISE ID 83709-1657

WILDLANDS DEFENSE C/O KATIE FITE PO BOX 125 BOISE ID 83701



WESTERN Region • 2735 W AIRPORT WAY • BOISE, ID 83705-5082

Phone: (208)334-2190 • Fax: (208)334-2348 • Website: www.idwr.idaho.gov

Gary Spackman Director

May 14, 2020

CAT CREEK ENERGY LLC 398 S 9TH ST STE 240 BOISE, ID 83702-7169

RE: Application for Permit No. 63-34897 & 63-34900

Dear Applicant(s):

The Department of Water Resources has received your water right applications. Please refer to the numbers referenced above in all future correspondence regarding these applications.

A legal notice of the applications has been prepared and is scheduled for publication in the MOUNTAIN HOME NEWS, TIMES NEWS, IDAHO STATESMAN, LEWISTON TRIBUNE, POST REGISTER on 5/21/2020 and 5/28/2020. Protests to these applications may be submitted for a period ending ten (10) days after the second publication.

If the applications are protested, you will be sent a copy of each protest. All protests must be resolved before the applications can be considered for approval. If the protest(s) cannot be resolved voluntarily, the Department will conduct a conference and/or hearing on the matter.

If the applications are not protested, the Department will process your applications and notify you of any action taken on the applications. If your applications are approved, the Department will send you a copy of the permit.

Please contact this office if you have any questions regarding the applications.

Sincerely.

Kensie Thorneycroft Administrative Assistant

CC:

RACINE OLSON PLLP
IDAHO WATER ENGINEERING

From:

Thorneycroft, Kensie

Sent:

Thursday, May 14, 2020 1:43 PM

To:

'Legal Dept'

Subject:

Elmore Legal Notice

Attachments:

CoverLetter.docx; LegalNotice.docx

Follow Up Flag:

Follow up

Flag Status:

Flagged

Good Morning Legal Clerk,

I am sending you the new legal notices, please send confirmation to my email.

Please see the attached ad for publication on 05/20/2020 and 05/27/2020.

Please confirm these are okay to publish as shown.



WESTERN Region • 2735 W AIRPORT WAY • BOISE, ID 83705-5082 Phone: (208)334-2190 • Fax: (208)334-2348 • Website: www.idwr.idaho.gov

> Gary Spackman Director

May 14, 2020

LEGAL NOTICE DEPARTMENT MOUNTAIN HOME NEWS PO BOX 1330 MOUNTAIN HOME, ID 83647-1330

RE: Application for Permit No. 63-34891, 63-34897, 63-34900

Dear Legal Notice Department:

Please publish the enclosed legal notice on the dates indicated (once a week for two consecutive weekly issues). If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Please send the affidavit and bill to this office before 6/8/2020. Your cooperation is appreciated.

Sincerely,

Kensie Thorneycroft Administrative Assistant

Enclosure(s)

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

63-34891

BOISE PROJECT BOARD OF CONTROL

2465 W OVERLAND RD

BOISE, ID 83705-3155

Point of Diversion NWSE S13 T03N R04E ELMORE County Source BOISE RIVER Tributary SNAKE RIVER

Use: POWER 01/01 to 12/31 220 CFS

Total Diversion: 220 CFS Date Filed: 05-01-2020 Place Of Use: POWER T03N R04E S13 NWSE

63-34897

CAT CREEK ENERGY LLC 398 S 9TH ST STE 240 BOISE, ID 83702

Points of Diversion: SENW, SWNE, and SWNW, all in S26 T01N R09E ELMORE County Source: SOUTH FORK BOISE RIVER

Tributary: BOISE RIVER

Use: DIVERSION TO STORAGE 01/01 to 12/31 2,000 CFS

Use: IRRIGATION STORAGE, MUNICIPAL STORAGE, and MITIGATION BY DELIVERY STORAGE 01/01 to 12/31 31,000 AF

Use: IRRIGATION FROM STORAGE 03/15 to 11/15 31,000 AF

Use: MUNICIPAL FROM STORAGE and MITIGATION BY DELIVERY FROM STORAGE 01/01 to 12/31 310,000 AF

Use: IRRIGATION 04/01 to 10/31 120.2 CFS

Total Diversion: 2.000 CFS 31.000 AF

Date Filed: 4/21/2020

Place Of Use: Application proposes 31,000 acre feet of supplemental storage in the proposed Cat Creek Reservoir in Elmore County to be used for irrigation of land within Black Canyon Irrigation District, for Municipal uses within the service area of City of Nampa, and for Mitigation by Delivery to lands within Ada, Canyon, and Owyhee Counties that are presently served by water from the Boise River Drainage.

Applicant also proposes irrigation of approximately 6,010 acres of land associated with Wood Creek Ranch, located in Elmore County in the immediate vicinity of the proposed Cat Creek Reservoir. This proposal will provide supplemental water to approximately 2,800 acres and the balance of the proposed place of use will be new acres not previously irrigated.

63-34900

CAT CREEK ENERGY LLC

398 S 9TH ST STE 240

BOISE, ID 83702

Points of Diversion: SENW, SWNE, and SWNW, all in S26 T01N R09E ELMORE County Source: SOUTH FORK BOISE RIVER Tributary: BOISE RIVER

Use: DIVERSION TO STORAGE 01/01 to 12/31 2,000 CFS

Use: IRRIGATION STORAGE, MUNICIPAL STORAGE, GROUND WATER RECHARGE STORAGE, WATER QUALITY IMPROVEMENT STORAGE, INDUSTRIAL STORAGE, RECREATION STORAGE, FISH HABITAT STORAGE, COMMERCIAL STORAGE, DOMESTIC STORAGE, STREAMFLOW MAINTENANCE STORAGE, WILDLIFE STORAGE, and MITIGATION BY DELIVERY STORAGE 01/01 to 12/31 19,000 AF

Use: IRRIGATION FROM STORAGE 03/15 to 11/15 19.000 AF

Use: MUNICIPAL FROM STORAGE, GROUND WATER RECHARGE FROM STORAGE, WATER QUALITY IMPROVEMENT FROM STORAGE, INDUSTRIAL FROM STORAGE, COMMERCIAL FROM STORAGE, DOMESTIC FROM STORAGE, STREAMFLOW MAINTENANCE FROM STORAGE, and MITIGATION BY DELIVERY FROM STORAGE 01/01 to 12/31 19.000 AF

Total Diversion: 2,000 CFS 19,000 AF

Date Filed: 4/22/2020

Place of Use: Application proposes to divert and store 19,000 acre feet of water in the proposed Cat Creek Reservoir in Elmore County. The applicant proposes to make the stored water available for sale, rent, or distribution for the uses listed above. The proposed place of use is generally within the Boise River drainage and a portion of the Mountain Home Plateau. The proposed place of use includes that portion of IDWR Administrative Basin 61 in Ada County and a large portion of IDWR Administrative Basin 63 and includes lands in Ada, Boise, Canyon, Gem, and Payette Counties in Idaho as well as a portion of Malheur County east of the Snake River in Oregon. The place of use for storage water does not include lands in Elmore or Camas Counties. The full description of the place of use is available from the Department of Water Resources at www.idwr.idaho.gov, or contact Western Region office at (208) 334-2190.

Permits will be subject to all prior water rights. For additional information concerning the property location, contact the Western office at (208)334-2190; or for a full description of the right(s), please see

https://idwr.idaho.gov/apps/ExtSearch/WRApplicationResults/. Protests may be submitted based on the criteria of Idaho Code § 42-203A. Any protest against the approval of this application must be filed with the Director, Dept. of Water Resources, Western Region, 2735 W AIRPORT WAY, BOISE ID 83705-5082 together with a protest fee of \$25.00 for each application on or before 6/8/2020. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Director

Published on 5/21/2020 and 5/28/2020

From:

Thorneycroft, Kensie

Sent:

Thursday, May 14, 2020 1:43 PM

To:

'legalnotices@postregister.com'

Subject:

Bonneville Legal Notice

Attachments:

CoverLetter.docx; LegalNotice.docx

Follow Up Flag:

Follow up

Flag Status:

Flagged

Good Morning Legal Clerk,

I am sending you the new legal notices, please send confirmation to my email.

Please see the attached ad for publication on 05/21/2020 and 05/28/2020.

Please confirm these are okay to publish as shown.



WESTERN Region • 2735 W AIRPORT WAY • BOISE, ID 83705-5082 Phone: (208)334-2190 • Fax: (208)334-2348 • Website: www.idwr.idaho.gov

Gary Spackman Director

May 14, 2020

LEGAL NOTICE DEPARTMENT POST REGISTER PO BOX 1800 IDAHO FALLS, ID 83402

RE: Application for Permit No. 63-34891, 63-34897, 63-34900

Dear Legal Notice Department:

Please publish the enclosed legal notice on the dates indicated (once a week for two consecutive weekly issues). If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Please send the affidavit and bill to this office before 6/8/2020. Your cooperation is appreciated.

Sincerely,

Kensie Thorneycroft Administrative Assistant

Enclosure(s)

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

63-34891

BOISE PROJECT BOARD OF CONTROL

2465 W OVERLAND RD

BOISE, ID 83705-3155

Point of Diversion NWSE S13 T03N R04E ELMORE County Source BOISE RIVER Tributary SNAKE RIVER

Use: POWER 01/01 to 12/31 220 CFS

Total Diversion: 220 CFS Date Filed: 05-01-2020 Place Of Use: POWER T03N R04E S13 NWSE

63-34897

CAT CREEK ENERGY LLC 398 S 9TH ST STE 240 BOISE, ID 83702

Points of Diversion: SENW, SWNE, and SWNW, all in S26 T01N R09E ELMORE County Source: SOUTH FORK BOISE RIVER

Tributary: BOISE RIVER

Use: DIVERSION TO STORAGE 01/01 to 12/31 2,000 CFS

Use: IRRIGATION STORAGE, MUNICIPAL STORAGE, and MITIGATION BY DELIVERY STORAGE 01/01 to 12/31 31,000 AF

Use: IRRIGATION FROM STORAGE 03/15 to 11/15 31,000 AF

Use: MUNICIPAL FROM STORAGE and MITIGATION BY DELIVERY FROM STORAGE 01/01 to 12/31 310,000 AF

Use: IRRIGATION 04/01 to 10/31 120.2 CFS

Total Diversion: 2.000 CFS 31.000 AF

Date Filed: 4/21/2020

Place Of Use: Application proposes 31,000 acre feet of supplemental storage in the proposed Cat Creek Reservoir in Elmore County to be used for irrigation of land within Black Canyon Irrigation District, for Municipal uses within the service area of City of Nampa, and for Mitigation by Delivery to lands within Ada, Canyon, and Owyhee Counties that are presently served by water from the Boise River Drainage.

Applicant also proposes irrigation of approximately 6,010 acres of land associated with Wood Creek Ranch, located in Elmore County in the immediate vicinity of the proposed Cat Creek Reservoir. This proposal will provide supplemental water to approximately 2,800 acres and the balance of the proposed place of use will be new acres not previously irrigated.

63-34900

CAT CREEK ENERGY LLC

398 S 9TH ST STE 240

BOISE, ID 83702

Points of Diversion: SENW, SWNE, and SWNW, all in S26 T01N R09E ELMORE County Source: SOUTH FORK BOISE RIVER Tributary: BOISE RIVER

Use: DIVERSION TO STORAGE 01/01 to 12/31 2,000 CFS

Use: IRRIGATION STORAGE, MUNICIPAL STORAGE, GROUND WATER RECHARGE STORAGE, WATER QUALITY IMPROVEMENT STORAGE, INDUSTRIAL STORAGE, RECREATION STORAGE, FISH HABITAT STORAGE, COMMERCIAL STORAGE, DOMESTIC STORAGE, STREAMFLOW MAINTENANCE STORAGE, WILDLIFE STORAGE, and MITIGATION BY DELIVERY STORAGE 01/01 to 12/31 19,000 AF

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Total Diversion: 2,000 CFS 19,000 AF

Date Filed: 4/22/2020

Place of Use: Application proposes to divert and store 19,000 acre feet of water in the proposed Cat Creek Reservoir in Elmore County. The applicant proposes to make the stored water available for sale, rent, or distribution for the uses listed above. The proposed place of use is generally within the Boise River drainage and a portion of the Mountain Home Plateau. The proposed place of use includes that portion of IDWR Administrative Basin 61 in Ada County and a large portion of IDWR Administrative Basin 63 and includes lands in Ada, Boise, Canyon, Gem, and Payette Counties in Idaho as well as a portion of Malheur County east of the Snake River in Oregon. The place of use for storage water does not include lands in Elmore or Camas Counties. The full description of the place of use is available from the Department of Water Resources at www.idwr.idaho.gov, or contact Western Region office at (208) 334-2190.

Permits will be subject to all prior water rights. For additional information concerning the property location, contact the Western office at (208)334-2190; or for a full description of the right(s), please see

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GARY SPACKMAN, Director

Published on 5/21/2020 and 5/28/2020

From:

Thorneycroft, Kensie

Sent:

Thursday, May 14, 2020 1:44 PM

To:

'legals@magicvalley.com'

Subject:

Twin Falls Legal Notice

Attachments:

CoverLetter.docx; LegalNotice.docx

Follow Up Flag:

Follow up

Flag Status:

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> ary Spackman Director

May 14, 2020

LEGAL NOTICE DEPARTMENT TIMES NEWS PO BOX 548 TWIN FALLS, ID 83303-0548

RE: Application for Permit No. 63-34891, 63-34897, 63-34900

Dear Legal Notice Department:

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Sincerely,

Kensie Thorneycroft Administrative Assistant

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Point of Diversion NWSE S13 T03N R04E ELMORE County Source BOISE RIVER Tributary SNAKE RIVER

Use: POWER 01/01 to 12/31 220 CFS

Total Diversion: 220 CFS Date Filed: 05-01-2020 Place Of Use: POWER T03N R04E S13 NWSE

63-34897

CAT CREEK ENERGY LLC 398 S 9TH ST STE 240 BOISE, ID 83702

Points of Diversion: SENW, SWNE, and SWNW, all in S26 T01N R09E ELMORE County Source: SOUTH FORK BOISE RIVER

Tributary: BOISE RIVER

Use: DIVERSION TO STORAGE 01/01 to 12/31 2,000 CFS

Use: IRRIGATION STORAGE, MUNICIPAL STORAGE, and MITIGATION BY DELIVERY STORAGE 01/01 to 12/31 31,000 AF

Use: IRRIGATION FROM STORAGE 03/15 to 11/15 31,000 AF

Use: MUNICIPAL FROM STORAGE and MITIGATION BY DELIVERY FROM STORAGE 01/01 to 12/31 310,000 AF

Use: IRRIGATION 04/01 to 10/31 120.2 CFS

Total Diversion: 2.000 CFS 31.000 AF

Date Filed: 4/21/2020

Place Of Use: Application proposes 31,000 acre feet of supplemental storage in the proposed Cat Creek Reservoir in Elmore County to be used for irrigation of land within Black Canyon Irrigation District, for Municipal uses within the service area of City of Nampa, and for Mitigation by Delivery to lands within Ada, Canyon, and Owyhee Counties that are presently served by water from the Boise River Drainage.

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63-34900

CAT CREEK ENERGY LLC

398 S 9TH ST STE 240

BOISE, ID 83702

Points of Diversion: SENW, SWNE, and SWNW, all in S26 T01N R09E ELMORE County Source: SOUTH FORK BOISE RIVER Tributary: BOISE RIVER

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Use: IRRIGATION STORAGE, MUNICIPAL STORAGE, GROUND WATER RECHARGE STORAGE, WATER QUALITY IMPROVEMENT STORAGE, INDUSTRIAL STORAGE, RECREATION STORAGE, FISH HABITAT STORAGE, COMMERCIAL STORAGE, DOMESTIC STORAGE, STREAMFLOW MAINTENANCE STORAGE, WILDLIFE STORAGE, and MITIGATION BY DELIVERY STORAGE 01/01 to 12/31 19,000 AF

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GARY SPACKMAN, Director

Published on 5/21/2020 and 5/28/2020

From:

Thorneycroft, Kensie

Sent:

Thursday, May 14, 2020 1:44 PM

To:

'legals@Imtribune.com'

Subject: Attachments:

Nez Perce Legal Notice

CoverLetter.docx; LegalNotice.docx

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> Gary Spackman Director

May 14, 2020

LEGAL NOTICE DEPARTMENT LEWISTON TRIBUNE 505 C ST PO BOX 957 LEWISTON, ID 83501

RE: Application for Permit No. 63-34891, 63-34897, 63-34900

Dear Legal Notice Department:

Please publish the enclosed legal notice on the dates indicated (once a week for two consecutive weekly issues). If you cannot publish the notice on the proposed dates, please contact us immediately.

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Sincerely,

Kensie Thorneycroft Administrative Assistant

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63-34891

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2465 W OVERLAND RD

BOISE, ID 83705-3155

Point of Diversion NWSE S13 T03N R04E ELMORE County Source BOISE RIVER Tributary SNAKE RIVER

Use: POWER 01/01 to 12/31 220 CFS

Total Diversion: 220 CFS Date Filed: 05-01-2020 Place Of Use: POWER T03N R04E S13 NWSE

63-34897

CAT CREEK ENERGY LLC 398 S 9TH ST STE 240 BOISE, ID 83702

Points of Diversion: SENW, SWNE, and SWNW, all in S26 T01N R09E ELMORE County Source: SOUTH FORK BOISE RIVER

Tributary: BOISE RIVER

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Use: IRRIGATION STORAGE, MUNICIPAL STORAGE, and MITIGATION BY DELIVERY STORAGE 01/01 to 12/31 31,000 AF

Use: IRRIGATION FROM STORAGE 03/15 to 11/15 31,000 AF

Use: MUNICIPAL FROM STORAGE and MITIGATION BY DELIVERY FROM STORAGE 01/01 to 12/31 310,000 AF

Use: IRRIGATION 04/01 to 10/31 120.2 CFS

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63-34900

CAT CREEK ENERGY LLC

398 S 9TH ST STE 240

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GARY SPACKMAN, Director

Published on 5/21/2020 and 5/28/2020

From:

Thorneycroft, Kensie

Sent:

Thursday, May 14, 2020 1:41 PM

To:

'BOI Legals'

Subject:

Ada Legal Notice

Attachments:

CoverLetter.docx; LegalNotice.docx

Follow Up Flag:

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Gary Spackman
Director

May 14, 2020

LEGAL NOTICE DEPARTMENT IDAHO STATESMAN PO BOX 40 BOISE, ID 83707

RE: Application for Permit No. 63-34891, 63-34894, 63-34896, 63-34897, 63-34900

Dear Legal Notice Department:

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Sincerely,

Kensie Thorneycroft Administrative Assistant

Enclosure(s)

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63-34894

RYAN KUHNS

725 W FLOATING FEATHER RD

EAGLE, ID 83616-3817

Point of Diversion NWNE S8 T04N R01E ADA County Source GROUND WATER

Use: DOMESTIC 01/01 to 12/31 0.04 CFS

Total Diversion: 0.04 CFS Date Filed: 04-28-2020 Place Of Use: DOMESTIC T04N R01E S8 NENE Total Acres: 0.5

63-34896

JAMES DONOVAN 5514 W LAKE RIVER LN BOISE, ID 83703-6241

Point of Diversion SESE S30 T04N R02E ADA County Source SILVER LAKE Tributary BOISE RIVER

Use: AESTHETIC 01/01 to 12/31 0.37 CFS

Total Diversion: 0.37 CFS Date Filed: 04-24-2020 Place Of Use: AESTHETIC T04N R02E S30 SESE T04N R02E S31 NENE

63-34891

BOISE PROJECT BOARD OF CONTROL

2465 W OVERLAND RD BOISE. ID 83705-3155

(2) Point of Diversion NWSE S13 T03N R04E ELMORE County Source BOISE RIVER Tributary SNAKE RIVER

Use: POWER 01/01 to 12/31 220 CFS

Total Diversion: 220 CFS Date Filed: 05-01-2020 Place Of Use: POWER T03N R04E S13 NWSE

63-34897

CAT CREEK ENERGY LLC

398 S 9TH ST STE 240

BOISE, ID 83702

Points of Diversion: SENW, SWNE, and SWNW, all in S26 T01N R09E ELMORE County Source: SOUTH FORK BOISE RIVER

Tributary: BOISE RIVER

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Use: MUNICIPAL FROM STORAGE and MITIGATION BY DELIVERY FROM STORAGE 01/01 to 12/31 310,000 AF

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Use: MUNICIPAL FROM STORAGE, GROUND WATER RECHARGE FROM STORAGE, WATER QUALITY IMPROVEMENT

FROM STORAGE, INDUSTRIAL FROM STORAGE, COMMERCIAL FROM STORAGE, DOMESTIC FROM STORAGE, STREAMFLOW MAINTENANCE FROM STORAGE, and MITIGATION BY DELIVERY FROM STORAGE 01/01 to 12/31 19,000 AF Total Diversion: 2,000 CFS 19,000 AF

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Published on 5/21/2020 and 5/28/2020



2918 N. El Rancho Place, Boise ID 83704 Office: (208) 378-1513 Cell: (208) 870-0345

Fax: (888) 538-7703

www.idahowaterengineering.com info@idahowaterengineering.com

April 21, 2020

RECEIVED

Mr. Nick Miller, Manager
Idaho Department of Water Resources Western Regional Office
Hand Delivered

APR 2 1 2020

WATER RESOURCES WESTERN REGION

RE: Water Right Application for Permit in the Name of Cat Creek Energy, LLC

Dear Mr. Miller:

I am herewith resubmitting an Application for Permit with attachments. The reservoir described in this application is the same as that described in Applications for Permit Nos. 63-34403 and 63-34652. This application identifies additional uses for 31 KAF of the storage, and specifies irrigation of Wood Creek Ranch. This submittal has been prepared using the same guidelines you provided last year for the submittal of Application for Permit No. 63-34652.

A copy of the signature page is attached. The original signature page, plus filing fee of \$9,610, are being dropped off at the Southern Regional Office this afternoon. I have requested staff at the Southern Regional Office to send the original signature page plus the filing fee receipt to you.

Again for this submittal we recognize this type of application is not seen every day at IDWR. However, we need to find a way for water users to acquire supplemental storage water in advance of droughts – whether for irrigation or municipal uses. We seek IDWR assistance in navigating a path to make this appropriation possible. We will continue to make good faith adjustments in this process as required. We request that if further information is required, we be permitted to do this via a document exchange rather than for the application to be wholly returned for the addition of information.

Sincerely,

David R. Tuthill, Jr., Ph.D., P.E.

Enclosures:

Application for Permit, with:

Attachment

Municipal Water Right Application Checklist

Explanatory Document for the Municipal Water Right Application Checklist

Place of Use Map for the City of Nampa

Place of Use Map for Black Canyon Irrigation District

Place of Use Maps for Wood Creek Ranch and Cat Creek Reservoir

Maps of Place of use for Mitigation by Delivery from Storage

Tracts within Place of Use for Mitigation by Delivery from Storage

Memorandum of Understanding with Black Canyon Irrigation District

Memorandum of Understanding with the City of Nampa