



## DROUGHT RELIEF GRANT APPLICATION

Ecology Use Only

Application Number				
D2015				
Date				

The information provided in this application will be used to determine general eligibility for funding from the Drought Relief Program, and the priority or ranking of the proposal amongst other competing proposals.

Separate application must be made for any needed emergency drought authorization. Before final approval of grant funding, the applicant must submit copies of all required permits and other authorizations needed for the proposal to Ecology for our review.

<b>1. Applicant Name(Public Body):</b> Icicle Irrigation District			
Address: P.O. 371	City: Cashmere	State: WA	Zip: 98815
(a) Authority (State Law): RCW 87.03			
(b) Date Organized: 26 March 1917			

<b>2. Contact Person:</b> Anthony D. Jantzer			Title: Secretary Manager	
Address: Same		City:	State:	Zip:
Email: tony.iid.pid@nwi.net			Phone #: cell (509) 433-4064	

<b>3. PROJECT(S) DESCRIPTION</b>	<p>Provide a description of the proposed project(s) and a detailed scope of work. Attach additional sheet(s) if necessary. Attach a map (U.S.G.S. Quad or comparable) showing the geographic location of the proposed project(s).</p> <p>Icicle Irrigation District has a storage water right to Eight Mile Lake for 2,500 AF of water. Permit #828 dated Aug 2, 1926 and affirmed in the Icicle Creek adjudication in Oct 28, 1929. In the Proof of Appropriation of Water dated 15 August 1939, under Remarks "The lake has a natural outlet channel some 30 feet below normal high water and due to difficulty in securing water tightness in formation of slide responsible for the lake dam was not constructed to height first intended. The District preferring to use pumping equipment for securing full appropriation of water during period of extreme drought." The district has been able to historically draw about 1,650 AF of water through its gravity release. We had intended on either pumping or syphoning our remaining 850 AF of stored water out of the lake starting on or about Aug 15, 2015. Due to the fires obtaining a helicopter to fly in pipes or pumps to draw the lake down far enough to get at the 850 AF of water that we intended is not feasible. We now intend to by hand dig out the lake side of the outlet or approach to the release gate. This channel has filled in over the years and now holds back about 4 to 5 feet of water. We intend on lowering this channel 4 feet an in doing so this will make available just over 160 AF of water which we should be able to release at a rate of 20 CFS for a couple of days while we work on Colchuck Lake. Colchuck lake has a similar problem but on the outside end of the outlet. Once we are done at Eight mile lake we will go to Colchuck and dig this out making available another 120 CFS. This will make a total of 260 AF which we hope will get us through the last of the high demand time frame.</p>
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#### 4. DESCRIPTION OF NEED

Describe what would occur without the benefit of the proposed project(s), including: the nature of the actual hardship, both short-term and long-term impacts, the expected loss of normal water supply by percentage, and the estimated potential financial losses. Explain why these circumstances constitute a water supply emergency resulting from natural-caused drought conditions, rather than a pre-existing condition during a normal water year.

We have instituted rationing of water on the Peshastin Irrigation District canal; effective the week of July 20, 2015. The water users are being rationed by 1/3 of their normal 6.75 GPM to 4.5 GPM per acre. There are no storage facilities up Peshastin Creek and the Creek is currently providing about 18 of the 48.8 CFS that the Peshastin Canal requires to make its 6.75 GPM deliveries. We are currently supplementing the Peshastin Creek diversions from the Icicle Canal with water diverted out of Icicle Creek, which the Peshastin District has a water right to. The Peshastin District has a natural flow water right to Icicle Creek and some rights to stored water but it is very limited. The Icicle Irrigation district is instituting rationing to all of its customer down from the 6.75 GPM per share to 4.5 GMP to try and keep from cutting the Peshastin canal below the 4.5 GPM level. If we can get the additoinal 260 AF out of Eight Mile and Colchuck lakes we believe we can make this work. We have also set our turn off date to be September 25 or earlier. If we can not get this water out of the lakes we will have to move the shutoff date up considerably. More than the 260 AF would imply. The older more mature deeper rooted trees would probably be okay but young trees and dwarf trees would likely suffer.

## 5. EXPECTED OUTCOME(S)

Describe how the projects would reduce or avoid harm or hardships and any measures planned to assure the capability and reliability of the proposed project(s) to provide an emergency water supply to the applicant.

If we can get this water out of Eight Mile Lake and Colchuck we should be able to keep the Peshastin canal operating at 2/3 of its normal deliveries and our water users should be able to get a near normal harvest and keep from stressing their trees. Peshastin Creek has dropped below 20 CFS, and without this water the Peshastin trees will suffer.

## 6. WATER SHORTAGE RESPONSE ACTIONS ALREADY TAKEN

Describe the measures taken by the applicant to plan for or mitigate the effects of drought (e.g., conservation, irrigation efficiency measures, leakage, elimination of non-essential uses).

Over the past five years the districts combined have piped over 3 miles of ditch. Many of our farmers have installed drip or micro sprinklers. About 1/5 of our ditches are piped and 7/10 of the ditches are lined with concrete. We currently have less than 1/10 of our ditches that are not lined. We are currently rationing water to the water users on the Peshastin Canal and are in the process of instituting rationing to water users on the Icicle Canal. They will all be limited to 4.5 GPM per acre.

## 7. WATER RIGHTS

- (a) Describe whether you have or will be submitting an application for an emergency drought authorization and or have other pending water right applications

We believe that our stored water rights are sufficient to get us through this drought if we can use them all.

- (b) List the applicant's legal water rights to divert or withdraw water for use on land within the applicant's legal boundaries, and attach copies.

The Icicle and Peshastin Canals combined have a water right out of Icicle and Snow Creeks to divert up to 117 CFS. Peshastin has a water right to divert up to 50 CFS out of Peshastin Creek. (1.2 CFS is being transferred into Trust through the office of the Columbia River enhancement fund for piping the last 2 miles of the Peshastin Canal.) Icicle Irrigation District has the following storage rights.

Eight Mile Lake: 2,500 AF at 25 CFS Approved Jan 22 1927 Permit # 828

Cole Chuck : 2,500 AF at 50 CFS approved Jan 22 1927 permit # 829

Klonaqua Lake: 2,500 AF at 25 CFS approved Jan 22 1927 Permit # 827

Square Lake: 2,000 AF at 10 CFS approve Oct 20 1939 (Peshastin Irrigatoin District has an additional water right to this lake dating to the 1940's I do not currently have a copy of it.

Snow Lake: 750 AF at 25 CFS Burea of Rec Contract

#### 8. INTERGOVERNMENTAL COORDINATION

Provide a summary of how the applicant has and/or will consult with affected agencies and/or Indian Tribes prior to and during implementation of the proposed project(s). Include a list of the affected agencies and Indian Tribes and a summary of impacts/approvals if known. (Attach an additional sheet if necessary.)

We are cordinating with the Office of the Columbia River (Tom Tebb) and the National Forest Service.

#### 9. PROJECT(S) SCHEDULE/DURATION

(a) When do you expect to have all the required permitting, approvals, and funding?

We have applied for a HPA and believe that it will be granted by August 28<sup>th</sup>.

(b) Approximately how long will the proposed project(s) take to complete?

We plan on starting the work on Eight mile lake on August 28 and beieve that we can complete it by September 1<sup>st</sup>. We then plan on moving to Colchuck lake and start the work there and should be able to complete that work by September 4<sup>th</sup>.

(c) Expected project(s) schedule, including start date, completion date, and significant intermediary steps:

We have shedualued the helicopters that we need to do the work and have applied for the HPA. We have cordinated with US Forest Service and believe that all is ready to start on August 28<sup>th</sup>. We will need to be done on September 4 so we do not run short of water in that Eight Mile lake will only sustain 20 CFS that we are currently getting out of Colchuck for about 3 days.

**10. PROJECT COMPONENTS**

Check appropriate box or boxes and complete estimated cost for proposed activities under this grant.

- (a)  Engineering design and report \$ 0
- (b)  Project(s) plans and specifications \$ 0
- (c)  Purchase of land, rights-of-way, easements \$ 0
- (d)  Construction \$ 25,000
- (e)  Construction engineering \$ 0
- (f)  Education and outreach \$ 0
- (g) Other \_\_\_\_\_ \$ \_\_\_\_\_

11. FUND SOURCES	Estimated total project cost		Estimated eligible project cost	
(a) Total estimated project(s) cost	100 %	\$ 25,000	100 %	\$ 25,000
(b) Total estimated eligible project(s) cost	100 %	\$ 25,000	100 %	\$ 25,000
(c) Ecology grant share	50 %	\$ 12,500	50 %	\$ 12,500
(d) Match fund source(s): (specify)	50 %	\$ 12,500	50 %	\$ 12,500
(e) District will fund Match out of District reserves.	%	\$	%	\$
(f)	%	\$	%	\$
(g)	%	\$	%	\$

Applicant may be exempt under WAC 173-167-040(3) from the fund match requirement

**12. CERTIFICATION**

I certify to the best of my knowledge that the information in this application is true, complete, and correct and that I am legally authorized to sign and submit this information on behalf of the applicant.

Anthony D. Jantzer  
 \_\_\_\_\_  
 PRINT NAME

  
 \_\_\_\_\_  
 SIGNATURE

Secretary/Manager, Icicle & Peshastin  
 Irrigation Districts  
 \_\_\_\_\_  
 TITLE

August 25, 2015  
 \_\_\_\_\_  
 DATE

**13. Send original, including attached sheets, maps, copies of water rights, and other supporting documents, to:**

Department of Ecology  
 Water Resources Program  
 PO Box 47600  
 Olympia, WA 98504-7600  
 ATTN: Rebecca Inman