OFFICE USE ONLY: CR 01 07 01
☐ Draft/Worksheet
☐ Submission/ Final Date Rcvd: ____/____/____

WASHINGTON STATE DEPARTMENT OF ECOLOGY

COLUMBIA RIVER WATER MANAGEMENT PROGRAM GRANT APPLICATION

Project Name: **Campbell Creek Reservoir Feasibility Study**

County: **Chelan**

IF MORE SPACE IS NEEDED, ATTACH ADDITIONAL SHEETS

1. APPLICANT INFORMATION

APPLICANT/BUSINESS NAME	PHONE NO.	FAX NO.
Chelan County Natural Resource Department	(509) 667-6532	(509) 667-6527
ADDRESS 316 Washington St., Suite 401		
CITY Wenatchee	STATE WA	ZIP CODE 98801

2. NEW (PROPOSED) WATER USE AND PROJECT BUDGET

PROJECT NAME
Campbell Creek Reservoir Feasibility Study

PROJECT LOCATION
Chelan County, WA

STREAM REACH MILE/ LOCATION
Along Peshastin Creek, approximately RM 2.7

PROJECT DESCRIPTION (TYPE) Off-stream reservoir

FEASIBILITY STUDY BUDGET $250,000

OPERATIONS AND MAINTENANCE BUDGET
(INDICATE DURATION OF AGREEMENT PROPOSED) Budget and duration to be determined in Feas. Study

	MATERIALS	LABOR
ESTIMATED CONSTRUCTION COST	to be determined	
DESIGN FEES	to be determined	
PROFESSIONAL FEES	to be determined	
SOFT COSTS (ALL PERMITS, LOCAL FEES, AND SO ON)	to be determined	
OTHER CONTINGENCIES	to be determined	

3. DETAILED PROJECT DESCRIPTIONS

(PROVIDE EXPLANATIONS AS REQUESTED. ESTIMATE PROJECT AMOUNTS (COSTS, WATER QUANTITIES, AND SO ON) AS CLOSELY AS POSSIBLE.

A. PROJECT COSTS AND FUNDING SOURCES

TOTAL PROJECT AMOUNT REQUESTED FROM THIS PROGRAM
(DOLLAR TOTAL AND PERCENT OF PROJECT BUDGET)

$250,000 for feasiblity study funding requested with this grant. That amount is 100% of the project budget.

TOTAL EXPECTED COST (PROGRAM GRANT) PER ACRE FOOT OF WATER GAINED FOR THE PROGRAM FROM THIS PROJECT.

$20,000/acre-foot after construction (assuming a $10M construction cost)

B. FUNDING SOURCE INFORMATION

TOTAL PROJECT AMOUNT EXPECTED TO BE PROVIDED BY SOURCES OTHER THAN THIS PROGRAM (DOLLAR TOTAL AND PERCENT OF PROJECT BUDGET)

None for the feasibility study, additional sources of funding will be pursued if the project is deemed to be feasible. Those sources would include local cost-share from the irrigation district and salmon recovery funding programs.

IDENTIFY SOURCES AND TYPE OF FUNDING OTHER THAN THROUGH THIS PROGRAM GRANT. INCLUDE EXPECTED DATES OF PARTICIPATION. INCLUDE AS AN ATTACHMENT; LETTERS OF COMMITMENT, OFFER LETTERS, APPLICATION APPROVALS, AND SO ON.

SOURCE AND TYPE OF FUNDING: none for this feasibility study

AMOUNT: _____

STATUS: _____

DATES OF PARTICIPATION: _____

SOURCE AND TYPE OF FUNDING: _____

AMOUNT: _____

STATUS: _____

DATES OF PARTICIPATION: _____

SOURCE AND TYPE OF FUNDING: _____

AMOUNT: _____

STATUS: _____

DATES OF PARTICIPATION: _____

SOURCE AND TYPE OF FUNDING: _____

AMOUNT: _____

STATUS: _____

DATES OF PARTICIPATION: _____

SOURCE AND TYPE OF FUNDING: _____

AMOUNT: _____

STATUS: _____

DATES OF PARTICIPATION: _____

SOURCE AND TYPE OF FUNDING: _____

AMOUNT: _____

STATUS: _____

DATES OF PARTICIPATION: _____

C. ESTIMATED TOTAL WATER SAVINGS

CONSERVATION PROJECT: ESTIMATE THE WATER TO BE CONSERVED THROUGH THIS PROJECT. PROVIDE ENGINEERING OR TECHNICAL ANALYSIS TO SUPPORT THIS ESTIMATE.

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOT
Qa (ACRE-FEET)													
Qi (CFS)													

HOW MUCH WATER IS THE APPLICANT PREPARED TO PLACE IN TRUST? _____AF
(NOTE: THE MINIMUM TRUST QUANTITY IS PROPORTIONATE TO FUNDING UNDER THIS PROGRAM.)

HOW MUCH OF THE TRUST WATER QUANTITY ACCRUES IN A TRIBUTARY? (AMOUNT) _____

TRIBUTARY NAME _____

HOW MUCH OF THE TRUST WATER QUANTITY ACCRUES TO THE COLUMBIA RIVER? (AMOUNT) _____

STORAGE PROJECT: ESTIMATE THE WATER TO BE STORED UNDER THIS PROJECT. PROVIDE ENGINEERING OR TECHNICAL ANALYSIS TO SUPPORT THIS ESTIMATE. ESTIMATED ACRE-FEET= 500 AF

ESTIMATE THE TOTAL QUANTITIES AND TIMING WATER WILL BE DIVERTED INTO STORAGE BELOW.

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOT
Qa (ACRE-FEET)				200	200	100							
Qi (CFS)				3.3	3.3	1.7							

HOW MUCH STORED WATER IS THE APPLICANT PREPARED TO ASSIGN FOR STATE USE FOR THE COLUMBIA RIVER PROGRAM?
500 AF

NOTE: THE MINIMUM QUANTITY ASSIGNED IS PROPORTIONATE TO FUNDING UNDER THIS PROGRAM.

HOW MUCH OF THE STORED WATER QUANTITY WILL BE RELEASED IN A TRIBUTARY? 500 AF

TRIBUTARY NAME Peshastin Creek

HOW MUCH OF THE STORED WATER QUANTITY WILL BE RELEASED TO THE COLUMBIA RIVER? 500 af indirectly AF

FOR THE PORTION OF STORED WATER ASSIGNED TO THE STATE, DESCRIBE ANY CONSTRAINTS (HYDRAULIC, DEMAND, ETC.) ON THE RELEASE OF THE WATER FOR STATE USE. The reservoir will store water and release to the irrigation district for use which will supplant Peshastin Creek diversions. There may be no releases to Peshastin Creek however the flow in Peshastin Creek will be increased by the amount of storage used for irrigation purposes. The use of water will be timed with the critical needs of water for fish in Peshastin Creek, which is late July to September.

D. TO WHAT EXTENT IS THE PROJECT CONSISTENT WITH, SUPPORTIVE TO, OR CITED IN LOCAL NATURAL RESOURCE PLANS?			
CITATION PROVIDED ✓	PLAN TYPE	PLAN TITLE	PAGE NUMBER OR OTHER CITATION
☒	WATERSHED PLAN	Wenatchee Watershed Plan	
☐	CONSERVATION DISTRICT		
☐	LEAD ENTITY STRATEGY		
☐	NPCC SUBBASIN PLAN		
☒	SALMON RECOVERY PLAN	Upper Columbia Salmon Recovery Plan	
☐	OTHER RECOVERY PLAN		
☐	COMPREHENSIVE WATER SYSTEM PLAN		
☐	GMA COMPREHENSIVE PLAN		
☐	OTHER PUBLISHED PLAN		
☐	OTHER PUBLISHED PLAN		

E. ATTACH LETTERS OF SUPPORT FROM LOCAL COMMUNITY ENTITIES INVOLVED IN NATURAL RESOURCES. Provide entity type and title, and attach letters to application.		
LETTER PROVIDED ✓	PLANNING ENTITY TYPE	PLANNING ENTITY TITLE
☐	TRIBE	
☒	COUNTY	Chelan County Natural Resource Department
☐	WATERSHED PLANNING UNIT	
☐	CONSERVATION DISTRICT	
☐	IRRIGATION DISTRICT	
☐	SALMON RECOVERY LEAD ENTITY	
☐	OTHER PLANNING ENTITY	

F. RESOURCES CURRENTLY COMMITTED TO ENSURE LONG-TERM PERFORMANCE OF THE PROPOSED PROJECT (OPERATION AND MAINTENANCE).

WHO IS RESPONSIBLE FOR LONG-TERM OPERATION AND MAINTENANCE OF THE PROJECT? Most likely Peshastin Irrigation District, however that will be addressed in the feasibility study.

HAVE OPERATION AND MAINTENANCE COSTS BEEN IDENTIFIED? ☒ YES ☐ NO IF YES, PROVIDE REFERENCE They have been estimated in a preliminary study titled "Peshastin Subbasin Needs and Alternatives Study" completed for Chelan County Natural Resource Department by Anchor Environmental January 2007.

HOW WILL ONGOING OPERATION AND MAINTENANCE COSTS BE FUNDED? To be determined in feasibility study

ARE MEASUREMENT DEVICES OTHER THAN DIVERSION SOURCE METERS NECESSARY TO MONITOR COMPLIANCE WITH THE PROJECT INTENT OR PLAN? IF YES, DESCRIBE IN THE BOX BELOW ☐ YES ☐ NO

DOES A WATER MEASUREMENT DEVICE EXIST ON THE SOURCE AND DOWNSTREAM OF THE PROPOSED PROJECT? ☐ YES ☐ NO

IF NO, WILL A WATER MEASUREMENT DEVICE BE INSTALLED AS PART OF THIS PROJECT? ☐ YES ☐ NO

IF YES, DESCRIBE LOCATION AND OPERATING ENTITY

IF YES, PROVIDE RIVER MILE

WHAT IS THE NEAREST STREAM GAGE DOWNSTREAM OF THE PROPOSED PROJECT? SOURCE NAME Washington Dept. of Ecology Gage #45F070 - Peshastin Creek at Green Bridge Road

RIVER MILE : approximately RM 1.5

G. PROPONENT'S READINESS TO PROCEED:

DESCRIBE STATUS OF FEASIBILITY REPORTS, ENGINEERING DESIGN, AND PERMITS. PROVIDE DOCUMENTATION FOR THESE DELIVERABLES AND DESCRIBE THE PROJECT EFFORT TIMELINE AS APPROPRIATE. (SUBMIT TWO (2) COPIES OF ALL REQUIRED DOCUMENTS)

A preliminary feasibility study of alternatives to improve stream flow in Peshastin Creek was completed in January 2007 titled "Peshastin Subbasin Needs and Alternatives Study" (Anchor 2007)". An electronic copy of the report will be submitted with this application. Two alternative reservoir arrangements were reviewed in that study. However no geological investigations have been performed and the engineering feasibility of the project requires additional review. No permitting efforts have started either.

The time frame for completion of this study will be 18 months.

DOES PROJECT PROPONENT OWN THE LAND FOR THE PROPOSED PROJECT? IF NOT, DOES THE PROPONENT HAVE DOCUMENTED ACCESS TO THE RIGHT OF WAY OR OWNS AN EASEMENT TO THE PROPERTY PROPOSED (PLEASE ATTACH APPROPRIATE DOCUMENTATION INCLUDING TITLE REPORTAS APPLICABLE)

No, the U.S.Forest SErvice and private property owners own the reservoir site. However the Tandy Ditch Company, part of Peshastin Irrigation District owns the diversion which water will be supplied from and owns a right-of-way and pipeline along the base of the dam which water will be delivered through. Discussions with the USFS have been held and will be a major component of this feasibility study.

DESIGN/ ENGINEERING STATUS:

PRE-PLANNING (Pre – permitting)	☐	Status: N/A _____
PRE-DESIGN (DESIGN REPORTS) (10%)	☐	Status: N/A_____
SCHEMATIC DESIGN (30%)	☐	Status: N/A_____
DESIGN DEVELOPMENT (75%)	☐	Status: N/A_____
CONSTRUCTION DOCUMENTS (95%)	☐	Status: N/A_____
BID DOCUMENTS (Ready for bid)	☐	Status: N/A_____

PERMIT STATUS

SEPA	☐	Status: N/A_____
401	☐	Status: N/A_____
FISH AND WILDLIFE CONSULTATION	☐	Status: N/A_____
STORAGE AND /OR SECONDARY USE PERMIT	☐	Status: N/A_____
OTHER (_____)	☐	Status: N/A_____
OTHER (_____)	☐	Status: _____
OTHER (_____)	☐	Status: _____

4. SIGNATURES

I certify that the information above is true and accurate to the best of my knowledge. I understand that in order to process my application, I am hereby granting staff from the Department of Ecology access to the above site(s) for inspection and monitoring purposes. If assisted in the preparation of the above application, I understand that all responsibility for the accuracy of the information rests with me. I also understand that I may rescind this application at any time prior to signing the Agreement with no other obligations or requirements.

_____ _____/_____/_____
(Applicant/ Grant Recipient) **(Date)**

_____ _____/_____/_____
(Water Right Holder) **(Date)**

_____ _____/_____/_____
(Land Owner(s) of Existing Place of Use) **(Date)**

For More Information

Contact: Alvin Josephy
Voice: (360) 407-6456
Email: ajos461@ecy.wa.gov
Web: http://www.ecy.wa.gov/programs/wr/cwp/crwmp.html

If you need this document in an alternate format, please call the Water Resources Program at 360-407-6600. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

Chelan County
Natural Resource Department
316 Washington Street, Suite 401
Wenatchee, Washington 98801
Phone (509) 667-6533 Fax (509) 667-6527

Please visit our website at www.co.chelan.wa.us

March 28, 2008

Mr. Alvin Josephy
Washington State Department of Ecology
Water Resources Program
P.O. Box 47600
Lacey, WA 98504-7600

Dear Mr. Josephy:

Please accept the enclosed Columbia River Water Management Program grant application for the Campbell Creek Reservoir Feasibility Study. The feasibility study will build upon previously-completed preliminary evaluations of water needs in Peshastin Creek and potential solutions to address those water needs. Funding in this phase of the project will focus on geological investigations and engineering feasibility.

Chelan County supports the funding request for the feasibility study; however, our support for the application should not be understood as support from the Wenatchee Watershed Planning Unit. While we are the lead agency for the planning unit, we must be clear that we do not speak for the planning unit. The planning unit has not reviewed the application and has not stated its position on the application. The planning unit has always engaged in active dialogue on a variety of issues, and we look forward to the planning unit's review of this application.

Sincerely,

Mike Kaputa, Director
Chelan County Natural Resource Department