DEPARTMENT OF ECOLOGY
State of Washington

Columbia River Basin Water Management Program

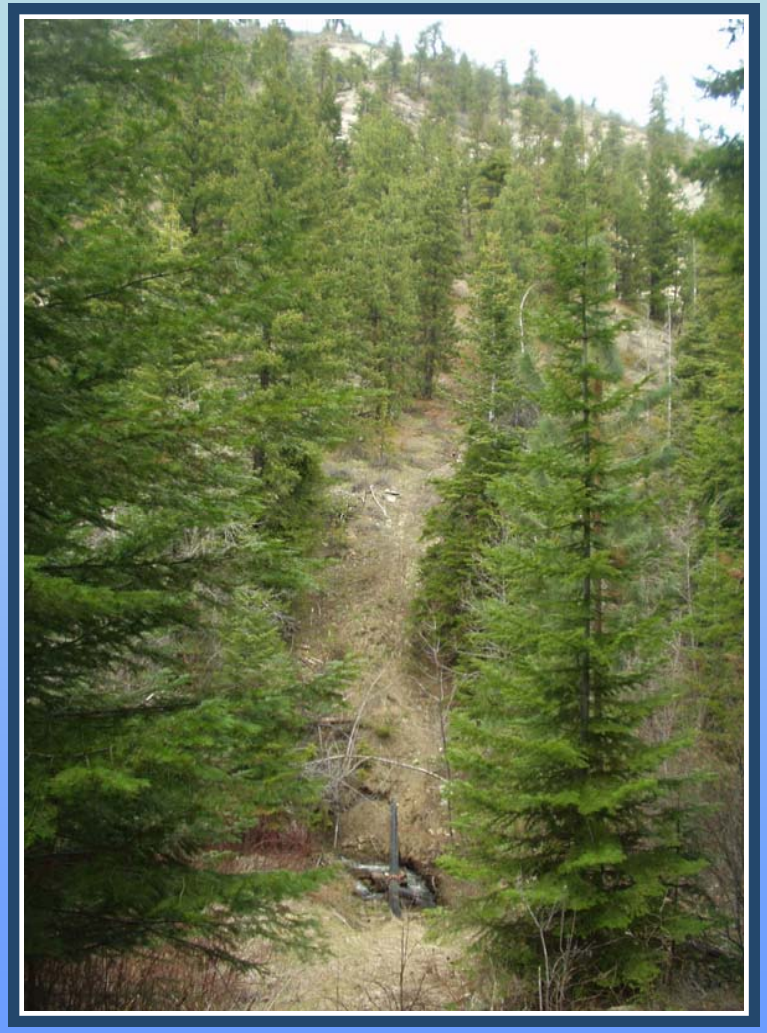
Technical Advisory Group

2009 Competitive Grant Funding Cycle

Bill Eller, WSCC, TAG Coordinator

November 12, 2009

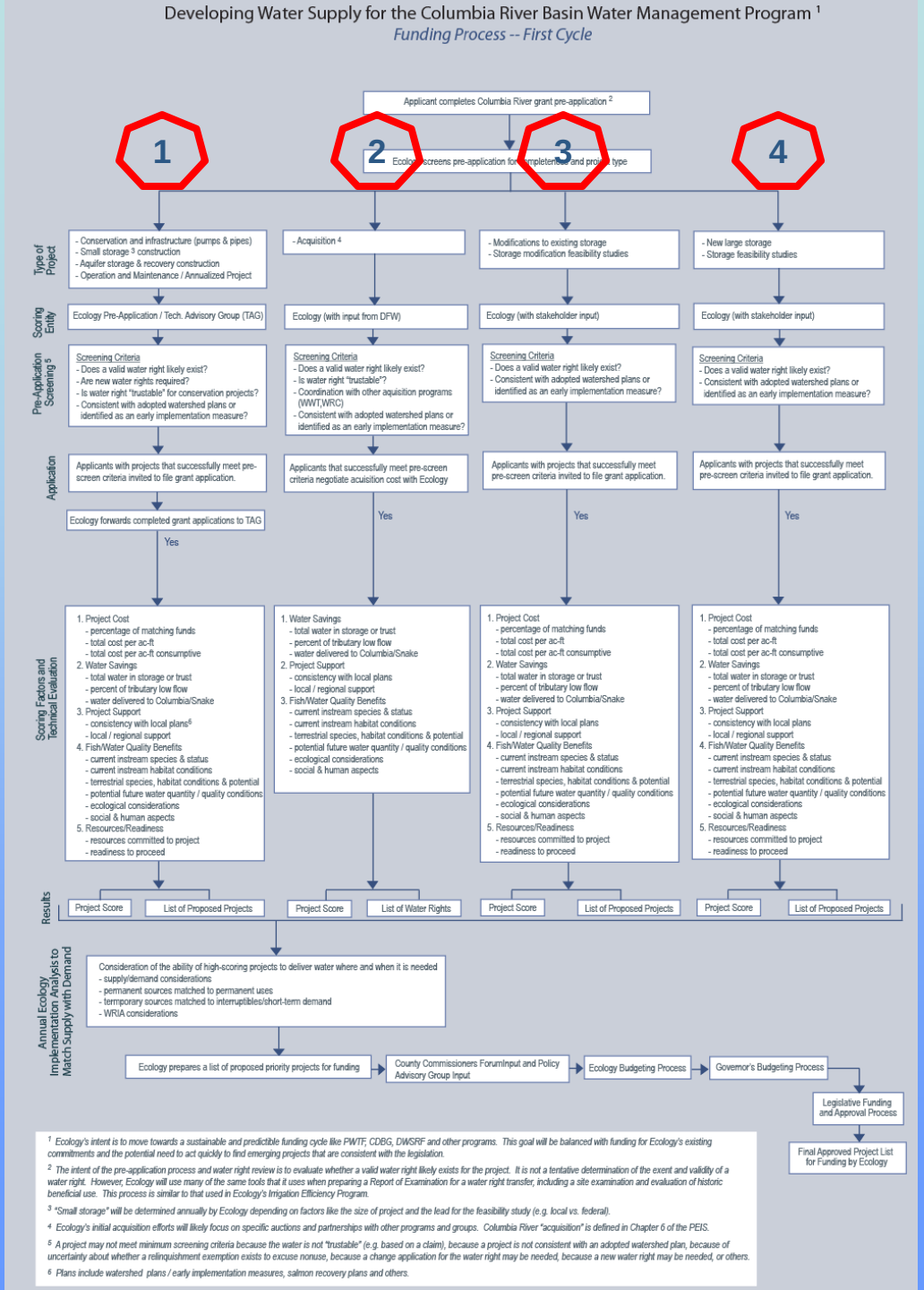
Overview



- Grant Process
- Technical Advisory Group (TAG) Process
- Draft Funding List and Map
- Individual Project Summaries
- Timeline for Grant Funding

Four Different Funding Paths

1. Competitive Grant Program
2. Water Acquisition
3. Storage Modification
4. Storage



Basics of Grant Program

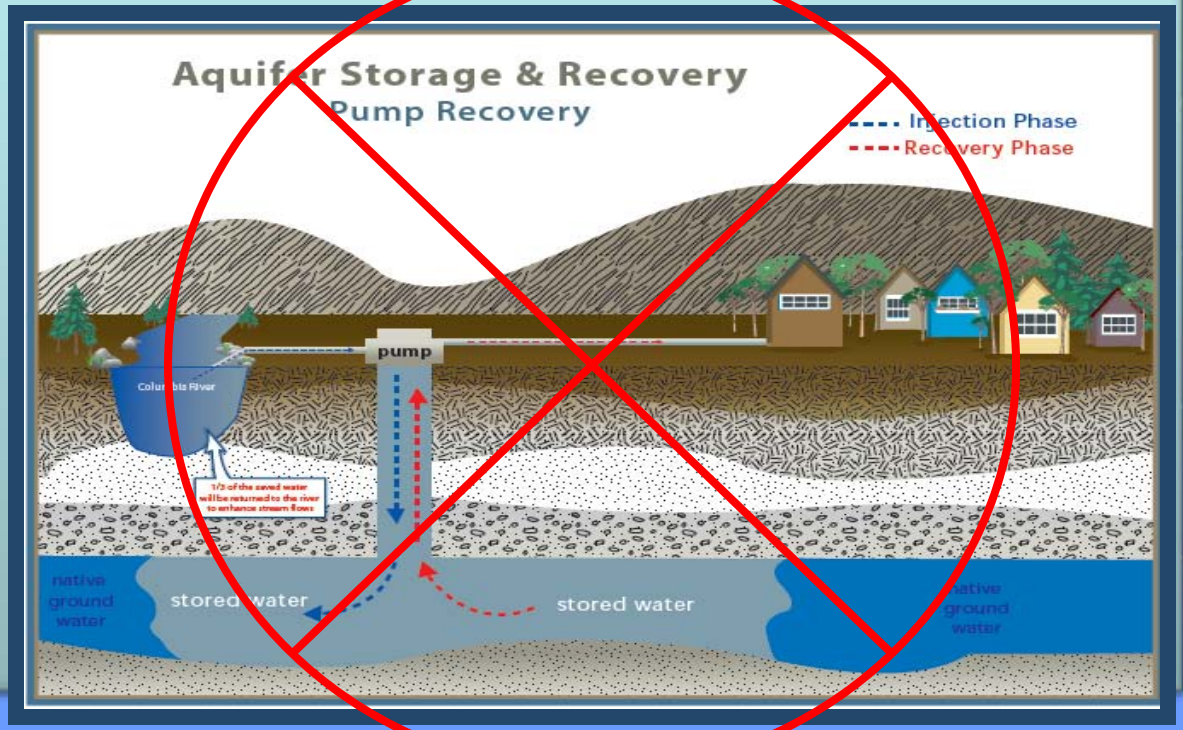
- Idea for a project (Irrigation District, Conservation District, landowners, others).
- Application is submitted to Ecology. Office of Columbia River staff reviews for
  - Eligibility under current grant program guidelines and
  - An available water right.
- Technical Advisory Group (TAG)
  - Site visits.
  - Scoring and ranking of the applications.
- TAG presents ranked project list to Columbia River Implementation Team (CRIT)
- CRIT reviews for
  - Project diversity.
  - Geographic diversity.
  - In-stream versus out-of-stream benefits.
- CRIT presents draft funding list to PAG for comments.
- PAG comments are presented to the Director.
- The Director makes the final funding determination.
- Presentation of the Final Funding List to the PAG.

The 2009 Grant Program
Project Types Eligible for Funding

- Modification of existing storage
  - Funding for feasibility studies, design and construction
- Conservation
  - Lining / piping
  - Ready to construct within one year
  - Funding for permitting, design and construction
- Surface Storage (includes re-regulation reservoirs)
  - Ready to construct within one year
  - Funding for design and construction only

The 2009 Grant Program
Project Types NOT Eligible for 2009 Grants

- Aquifer Storage (ASR & SAR)
- Feasibility Studies (other than existing storage modification)



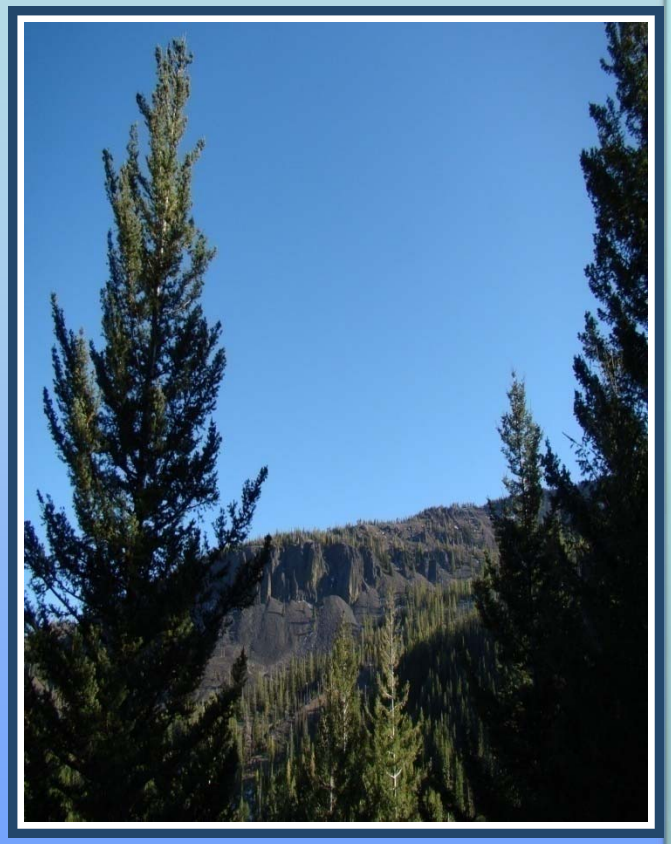
TAG Process - Members

- David Brown, City of Yakima
- Jon Culp, Washington State Conservation Commission
- Guy Gregory, Department of Ecology
- Daniel Haller, Department of Ecology
- Steve Martin, Snake River Salmon Recovery Board
- Peggy Miller, Department of Fish and Wildlife
- Mark Nielson, Franklin CD
- Ian Eccles, ECBID
- Tom Ring, Yakama Nation

TAG Alternate Members:

- Steven Hays, Chelan PUD
- Mike Tobin, North Yakima Conservation District
- Bob Steele, WDFW
- Paul LaRiviere, WDFW

TAG Process



- Grant Applications due: September 28, 2009
- First meeting: October 8, 2009
  - Welcomed new members
  - Amended charter
  - Scoring training
  - Three site visits (one more on Oct 9th)
- Second meeting: October 23, 2009
  - Scored and ranked the applications
  - Sent the applications on to the CRIT
- In 15 days the TAG
  - Reviewed the six grant applications
  - Made four site visits
  - Scored and ranked all the applications

Scoring Process

The TAG scores applications based on five categories (each category worth 10 points (50 points total)):

1. Project Costs.
2. Net Water Savings.
3. Project Support.
4. Fish and Water Quality Benefits.
5. Current and Long Term Support.

Each category has a number of subcategories.

Scoring Process

The raw score (0-50) is converted into a weighted score (0-100) based on the following criteria / table:

Categories	Maximum Possible Unweighted Score	Total Unweighted Score	Weighting Factor	Maximum Possible Weighted Score	Weighted Score
1. Project Costs	10		2	20	
2. Net Water Savings	10		3.3	33	
3. Project Support	10		1.5	15	
4. Fish/Water Quality Benefits	10		2.2	22	
5. Long Term Resources	10		1	10	
TOTAL SCORE FOR ALL CATEGORIES	50		10	100	

The goals are to:

- ✓Analyze the technical merit of each project,
- ✓Bring in as wide a range of projects as possible,
- ✓Gather information about the projects, and
- ✓Allow for a fair ranking of the projects.

Scoring Process

Columbia River Implementation Team (CRIT)

The CRIT considers factors not included in the TAG process in further weighting the proposed funding list:

- ✓ Project diversity.
- ✓ Geographic diversity.
- ✓ Balance between storage and non-storage in the Columbia River account.
- ✓ Balance between instream benefit and out-of-stream benefit.

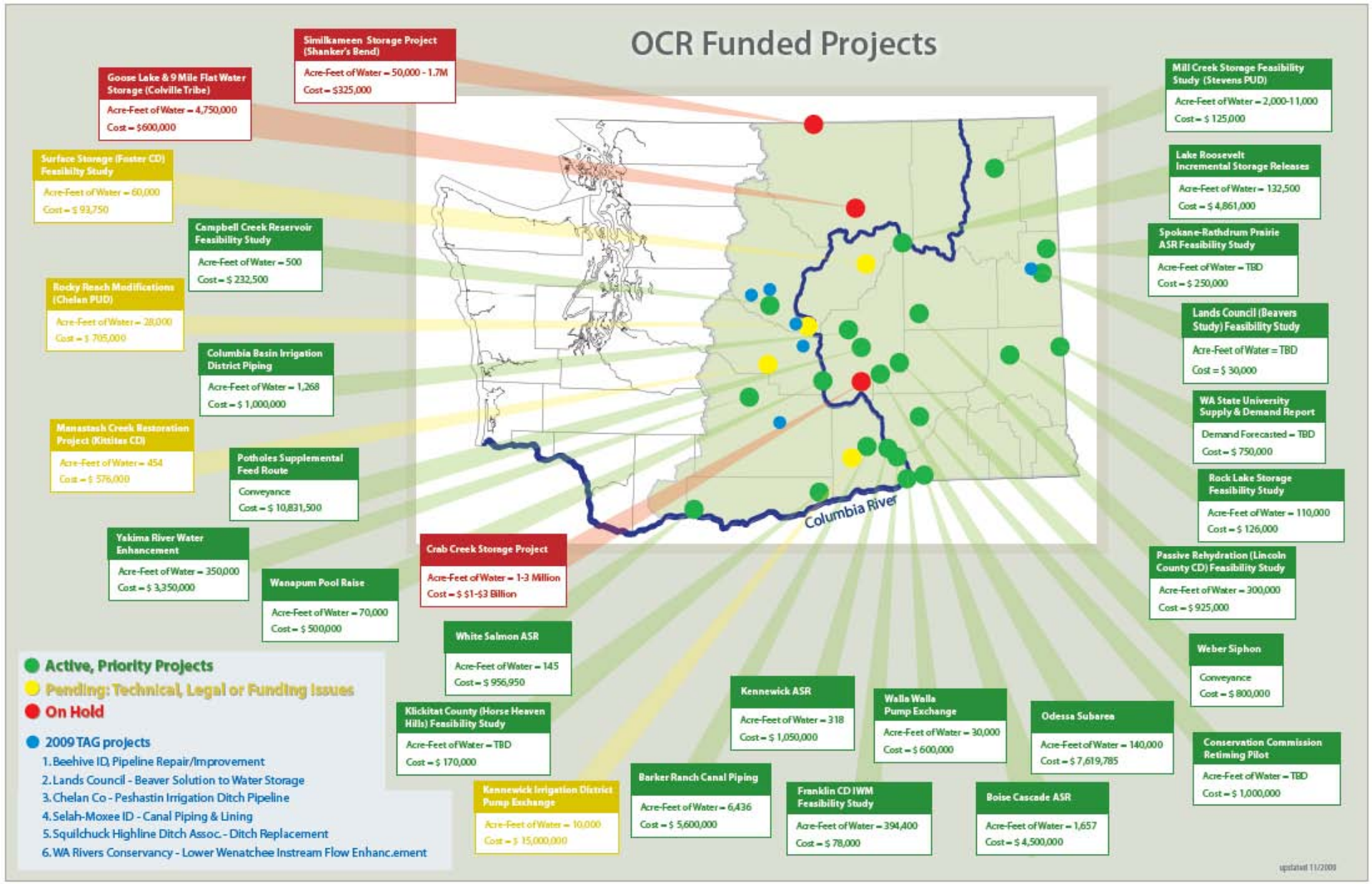
2009 Grant Round Summary

- Nine Grant Applications were received:

- Three were ineligible.
  - Moses Lake Irrigation Rehabilitation District (Crab Creek-Parker Horn Restoration Project) – Grant County.
    - Issue: The project doesn't satisfy the objectives to the Columbia River Program (RCW 90.90).
  - Lincoln County CD (Lincoln County Passive Rehydration Pilot Project) - Lincoln, Adams, Grant and Franklin counties.
    - Issue: Tasks preliminary to a pilot project have not been completed yet, and were part of the previous 2008 grant for this project and this project doesn't satisfy the objectives to the Columbia River Program (RCW 90.90).
  - Lincoln County CD (WRIA 43 Small Scale Water Storage Project Construction) – Lincoln County.
    - Issue: In essence, this project is a surface aquifer recharge project and ineligible for funding this year.

- Six were scored by the TAG.

2009 TAG Evaluated Projects



Applicant
Project Title

SCORE: 0-100 **RANK:** 1-6

FUNDING REQUEST: $

ESTIMATED NWS (Net Water Savings): AF

ESTIMATED COST PER ACRE FOOT: $

COUNTY:

STREAM REACH:

PROJECT DESCRIPTION:

The project description was compiled from the materials submitted with or on the grant application supplied by the applicant, but edited for length and content.

Project Recommended for Funding by CRIT

Project Not Recommended for Funding by CRIT

CRIT Comments

Washington Rivers Conservancy
Lower Wenatchee In-Stream Flow Enhancement Project

SCORE: 69 **RANK:** 1

FUNDING REQUEST: $1,000,000

EST. NWS: 1493 AF

EST. COST PER AF: $670

COUNTY: Chelan

STREAM REACH: WRIA 45 and the current point of diversion is within NE of NW1/4 of Section 14, Township 23N, Range 19 E.W.M..

The proposed project will consist of piping 5.5 miles of existing Pioneer Water Users Association open canal, installing a new efficient pump-back water withdrawal system, and changing the point of diversion from the lower Wenatchee River to groundwater wells adjacent to the Columbia River.

Net water savings of 15 cfs in lower Wenatchee river could be augmented by incorporating side channel habitat improvements.

Chelan County Natural Resources Department Peshastin Irrigation District Pipeline

SCORE: 58 **RANK: 2**

FUNDING REQUEST: $325,000

EST. NWS: 360 AF

EST. COST PER AF: $2,500

COUNTY: Chelan

STREAM REACH: Cashmere, WRIA 45 and within the boundaries of the Peshastin Irrigation District. Within Sections 5-8, T23N, R19E

Approximately 9,900 feet of the Peshastin Irrigation District canal will be converted from an open canal to a closed pipeline, using an 8-inch diameter to 36-inch diameter pipe. The upstream end of the proposed pipeline will tie into a pipeline constructed in 2005 by the PID.

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Good source location is undermined by high project cost and drought availability issues. Continued discussions warranted with project proponent.

Selah-Moxee Irrigation District Canal Piping and Lining Project (3 projects)

SCORE: 53 **RANK: 3**

FUNDING REQUEST: $2,667,600

EST. NWS: 1001 AF

EST. COST PER AF: $2,665

COUNTY: Yakima

STREAM REACH: WIRA 37,

Project I: T12N-R19E-& T12N-R 19E

Project II Located in T13N, R19E

Project III Located in T13, R19E

Project I: installation of approximately 6,000 feet of pipe to replace the lower end of the Little Moxee open earth canal.

Project II: installation of approximately 1,000 feet of bituminous liner between siphon 2 and 3.

Project III: installation of approximately 8,000 feet of pipe to replace the lower end of the Little Moxee canal upstream of Ekelman Road.

High cost per ac-ft and modest fish improvements.

The Lands Council Beaver Solution to Water Storage

SCORE: 45 **RANK:** 4

FUNDING REQUEST: $50,000

EST. NWS: 160 AF

EST. COST PER AF: $313

COUNTY: Spokane, Stevens, Ferry

STREAM REACH:

California Creek, WRIA 55, T23N R44E
Rock Creek, WRIA 54, T21n, R41E
Wilson Creek, WRIA 59, T33N, R41E
Bear Creek, WRIA 59, T34N, R41E
Bacon Creek, WRIA 60, T38N, R32E
Alternate site, WRIA 59, T40N, R37E

Proof-of-concept project with low cost per ac-ft. Would require consultation in 2011 as to whether new water rights could be issued.

Use beavers in tributary creeks of the Columbia River to form beaver dam complexes to create natural water storage which will enhance late summer stream flow in the Columbia River basin. Selected locations are based on the results of our site suitability criteria, which includes support by landowners and land managers. The beaver dams will store spring runoff and slowly release water in July, August and September, increasing stream flows below the dams.

Squilchuck Highline Ditch Association
Squilchuck Highline Ditch Replacement

SCORE: 32 **RANK:** 5

FUNDING REQUEST: $928,000

EST. NWS: 108 AF

EST. COST PER AF: $8,592

COUNTY: Chelan

STREAM REACH: WRIA 40A, Squilchuck Creek Drainage where Mission Ridge Road crosses Squilchuck Creek

Replacement of over 2 miles of existing 12 inch concrete pipeline.

High cost per ac-ft and modest fish improvements.

Beehive Irrigation District
Beehive Pipeline Repair / Improvement Project

SCORE: 32 **RANK:** 6

FUNDING REQUEST: $1,400,000

EST. NWS: 300 AF

EST. COST PER AF: $4,667

COUNTY: Chelan

STREAM REACH: WRIA 40A, T:21 R:19 sections 11, 12, 13, 14, 24

Replace up to 5 miles of existing concrete segmented pipeline between Squilchuck Creek diversion and Beehive Reservoir.

High cost per ac-ft and modest fish improvements.

Current Ecology Sponsored Columbia River Program Projects

Columbia Basin Irrigation District piping improvements

$1,000,000

Wanapum Pool Raise

$500,000

Chelan AIP Storage Projects

$700,000

2011 Water Supply/Demand Forecast with WSU

$748,372

Ecology Seeking PAG Input

- Entire funding package, not necessarily a project-by-project critique.
- Whether this proposed funding list is the right balance of:
  - ✓ *Project diversity (which projects work best?).*
  - ✓ *Geographic diversity.*
  - ✓ *Balance between storage and non-storage in the Columbia River account.*
  - ✓ *Instream benefit & out-of-stream benefit.*

How would the PAG like to respond?

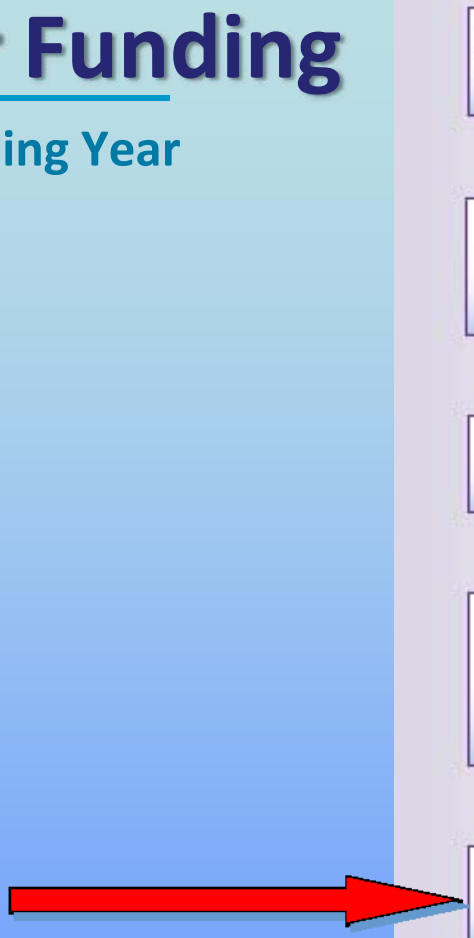
- ❑ Executive Committee
- ❑ Individually
- ❑ Oral / Written

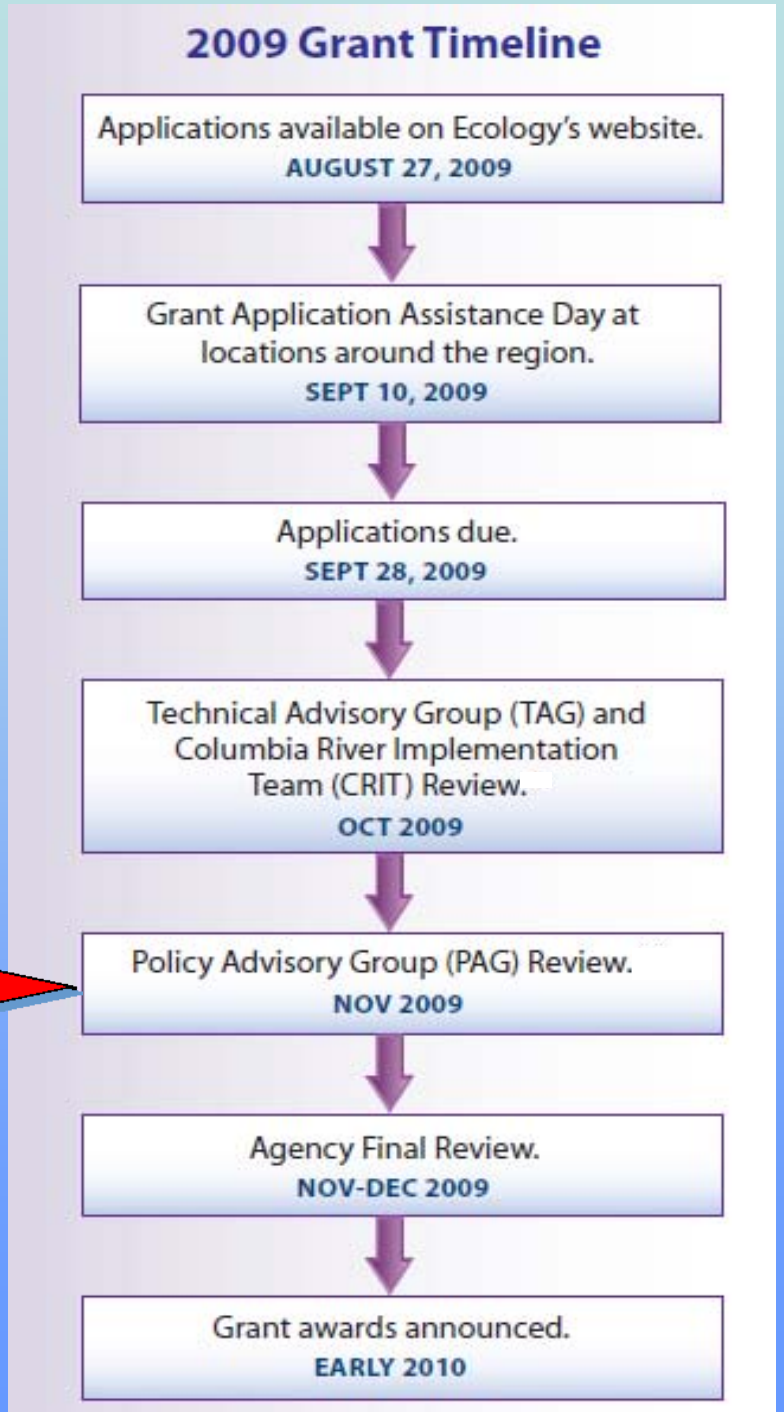
Comments due by December 13, 2009

Timeline for Funding

2009-2010 Funding Year

We Are Here





Where Are We Going?

2009-2010 Grant Funding Cycle - Important Dates

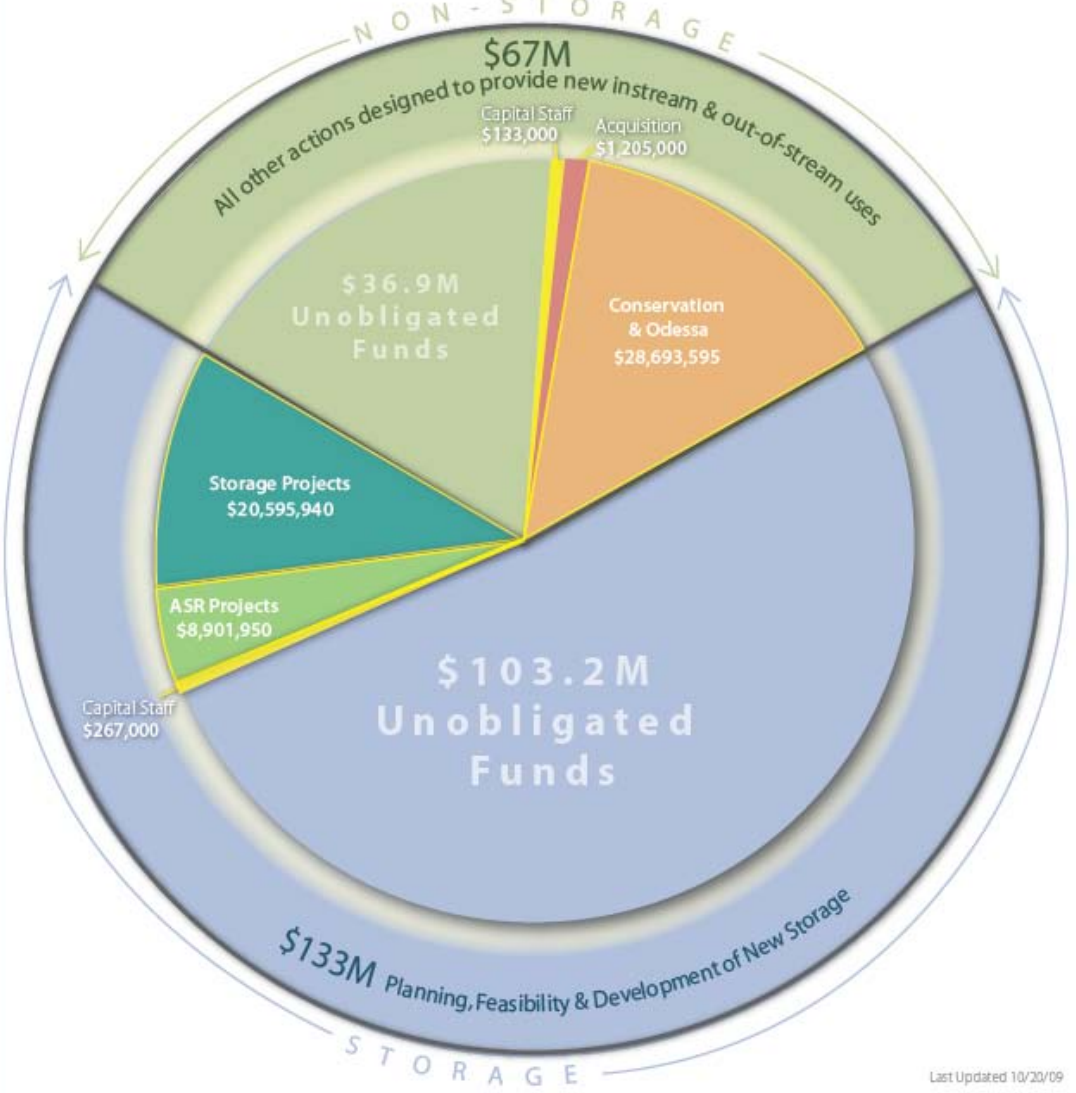
- *November 12, 2009:*
  - The draft funding list is presented to the PAG.
- *November 13 to December 13, 2009:*
  - PAG and other stakeholders submit comments to Ecology.
- *December 2009:*
  - Ecology staff finalize funding list with the Director.
- *January 2010:*
  - Final funding list presented to the PAG for discussion.

DRAFT

Status of the $200M OCR Account

DRAFT

2/3 for storage and 1/3 for conservation and other non-storage projects



Last Updated 10/20/09

Note 1: Other projects funded from the $16 Million State Building Construction Account under previous Columbia River Initiative include: PEIS, Mainstem Storage Alternatives Study, Walla Walla Pump Exchange, Metering, Odessa, Supplemental Feed Route, Lake Roosevelt SEIS, Crab Creek SEIS, Frenchman Hills Construction, Yakima Storage Study, Fish & Wildlife Project Support, Conservation Commission staff

Note 2: Projects funded from the $2M Operating Budget include: Climate Change Study, Legislative Report Forecasting, Conservation Commission staff

Note 3: Ecology is currently reviewing the allocation of contract costs between the storage and non-storage portions of the Columbia River Account. Allocations subject to change.

Note 4: Yakima Basin is under a seperate appropriation.

Note 5: Some obligated funds may be available in the future if projects are determined not to be feasible.

Questions?