

2015-2017 Anticipated Capital Budget and Projects



Columbia River Policy Advisory Group (CRPAG)
August 28, 2014



DEPARTMENT OF
ECOLOGY
State of Washington

Presented by
Derek Sandison
Office of Columbia River
Washington State Department of Ecology

OCR WATER PROJECTS 2014

● Completed, Developed
● Active, Under Development
 Locations are approximate

Methow Trust Water Acquisition
52 ac-ft Out-of-Stream

Methow Projects
2854 ac-ft Out-of-Stream

Goose Lake & Nine Mile Flat Storage
Ac-Ft TBD

Pine Creek Acquisition
900 ac-ft Out-of-Stream

Mill Creek Storage
11,000 ac-ft Out-of-Stream

Sullivan Lake Water Supply
9,400 ac-ft Out-of-Stream
4,600 ac-ft Instream

Lake Roosevelt Incremental Storage Releases
All Years:
55,000 ac-ft Out-of-Stream
25,000 ac-ft Instream
Drought Years:
88,000 ac-ft Out-of-Stream
44,000 ac-ft Instream

Peshastin Pump Exchange
Ac-Ft TBD

Peshastin ID Piping
360 ac-ft Instream

Lower Wenatchee Instream Flow Enhancement
1,493 ac-ft Instream

Lincoln CD Passive Rehydration
Ac-Ft TBD

Spokane-Rathdrum ASR
105,000 ac-ft Out-of-Stream

Columbia Basin ID Piping
26,000 ac-ft Out-of-Stream
5,000 ac-ft Out-of-Stream

Weber Siphon
Conveyance

Odessa Subarea Groundwater Replacement
164,000 ac-ft Out-of-Stream

Kachess Drought Relief Pumping Plant
200,000 ac-ft Out-of-Stream

Cle Elum Pool Raise
14,000 ac-ft Out-of-Stream

Basin-Wide Habitat Enhancement & Restoration
8 Obstructions Removed
83+ Miles of River Improved
1,174+ Acres Encompassed

Teanaway Acquisition
50,272 acres of Watershed Protected

Yakima City ASR
10,000 ac-ft Out-of-Stream
Instream ac-ft TBD

Manastash Conservation and Tributary Enhancement
1,300 ac-ft Instream

Yakima Basin Integrated Plan
226,000 ac-ft Instream & Out-of-Stream (Basin-Wide)

Other Yakima Basin Integrated Plan Projects
226,000 ac-ft Instream & Out-of-Stream (Basin-Wide)

Potholes Supplemental Feed Route
Conveyance

Region-Wide Projects

Conservation Commission Irrigation Efficiency
Ac-Ft TBD

Conservation Commission Retiming
Ac-Ft TBD

Regional Aquifer Storage and Recover
Ac-Ft TBD

Donations
13,060 ac-ft ac-ft Instream

Sunnyside Valley ID
7,815 ac-ft Instream

508.14 Rule Change
Ac-Ft TBD

Pasco Municipal Supply Improvements
5,000 ac-ft Out-of-Stream

Walla Walla Flow Enhancement
30,000 ac-ft Instream

Port of Walla Walla Leases
4,761 ac-ft Out-of-Stream

White Salmon ASR
145 ac-ft Instream

KID/Red Mountain
11,005 ac-ft Instream

Horse Heaven Hills
105,000 ac-ft Out-of-Stream

Barker Ranch
6,436 ac-ft Instream

Kennewick ASR
318+ ac-ft Instream

2015 - 2017 Projects: Coordinated Conservation



FUNDING: \$3 million
EST. NWS: 30,000 ac-ft (total)
OCR DIR: Odessa
EST. COST: \$1000 ac-ft

Funds the three Columbia Basin Irrigation Districts to continue to implement conservation projects. The conserved water will be used to replace groundwater for 10,000 acres of irrigation lands in the Odessa Subarea and for fish and wildlife enhancements.

2015 - 2017 Projects: Icicle Creek Integrated Planning



FUNDING: \$2 million

EST. NWS: TBD

OCR DIR: New Water Rights, Instream
Flow, Interruptible Rights

EST. COST: \$TBD ac-ft

Icicle Creek Workgroup will complete NEPA/SEPA and begin to implement an integrated project list of conservation, pump exchange, fish habitat, fish passage, storage optimization, and hatchery improvements, to meet out-of-stream demands and restore stream flows in Icicle Creek.

2015 - 2017 Projects: Walla Walla Basin Integrated Planning



FUNDING: \$1 million
EST. NWS: TBD
OCR DIR: Instream Flow
EST. COST: \$TBD ac-ft

Walla Walla Basin Work Group will finalize an integrated project list of water acquisition, conservation, pump exchange, fish habitat, and groundwater recharge projects, to restore stream flows in the Walla Walla River.

2015 - 2017 Projects: Methow Valley Irrigation District (MVID)



FUNDING: \$1 million
EST. NWS: 11 to 15cfs
OCR DIR: New Water Rights,
Instream Flow
EST. COST: \$TBD ac-ft

The MVID Instream Flow Improvement Project provides improvements to the MVID East and West Canal delivery systems and eliminates the MVID Twisp River diversion. Benefits include improved instream flows and fish habitat on the Twisp River, Methow River and Alder Creek, more reliable service for MVID members and public water supply for the Town of Twisp.

2015 - 2017 Projects: Fortis B.C. Storage Feasibility Study



FUNDING: \$1.6 million

EST. NWS: 77,000 ac-ft

OCR DIR: New Water Rights, Pending Applications, Instream Flow, Interruptible Rights

EST. COST: \$TBD ac-ft

Evaluation of a proposed hydropower and water supply, surface storage facility on the Similkameen River near Princeton, B.C. Shared cost and water supply for Washington and Oregon.

2015 - 2017 Projects: Horse Heaven Hills - Switzler Canyon Storage



FUNDING: \$1 million

EST. NWS: 44,000 ac-ft

OCR DIR: New Water Rights, Pending
Apps., Instream Flows

EST. COST: \$6,000 ac-ft

Continued evaluation and environmental assessment of a surface storage reservoir to be constructed in Switzler Canyon in WRIA 31. Reservoir is filled during periods of water availability on the Columbia River and released from the reservoir as mitigation for new water demands when water is not available.

2015 - 2017 Projects: New Project Proposals



- **Stemilt WRIA 40A, Small Scale Storage Feasibility**

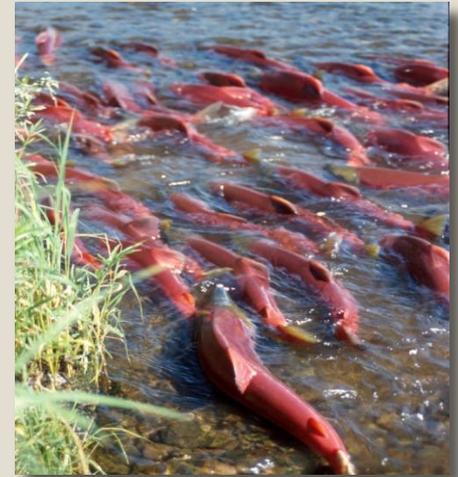
- \$150,000
- Project Proponent – Chelan County

- **Walla Walla Leased Water**

- \$1 million
- Project Proponent – Ecology

- **Lake Roosevelt Incremental Storage Releases Program**

- \$1.2 million
- Project Proponent – Ecology



2015 - 2017 Projects: New Project Proposals



- **OCR 2016 Supply and Demand Forecast**
 - \$1.5 million
 - Project Proponent – Ecology & WSU
- **Columbia River Regional Aquifer Storage**
 - \$1.6 million
 - Project Proponent – Ecology
- **New Water Supply Development Projects**
 - \$1 million
 - Project Proponent – Ecology



2015 - 2017 Projects: New Project Proposals



- **Water Acquisitions and Leases**

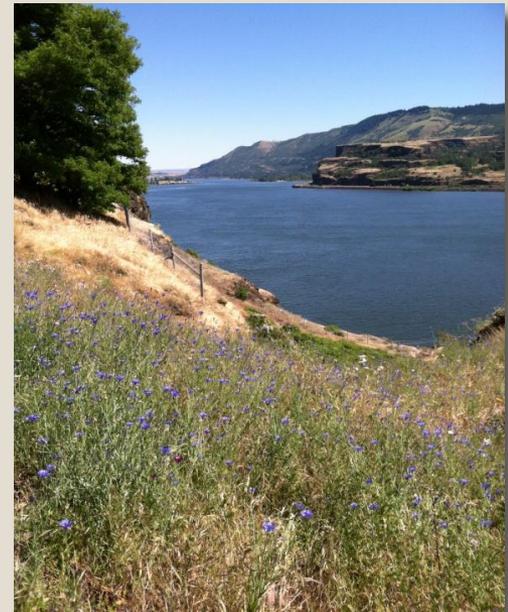
- \$1 million
- Project Proponent – Ecology

- **OCR Capital Staffing Support**

- \$1 million
- Project Proponent – Ecology

- **Washington Department of Fish & Wildlife Support**

- \$500,000
- Project Proponent – WDFW



2015 - 2017 Projects: Project Proposals - Subject to Funding



- **Snowpack Model Decision Support Tool**

- \$100,000
- Project Proponent – UCSRB

- **Kokanee Studies/Project**

- \$TBD
- Project Proponent – Colville Tribe

- **Additional Icicle Creek & Walla Walla River
Implementation Projects**

- \$TBD
- Project Proponent – Icicle Creek & Walla Walla Workgroups



2015 - 2017 Capital Budget - Conclusions



- **OCR's 15-17 capital budget proposal is approximately \$18.75 million**
- **Agency budget proposal due to OFM in Sept. 2014**
- **After the 15-17 biennium, this leaves approximately \$3.3 million in OCR's bonding authority**



2013 - 2015 Projects: Sullivan Lake Project



FUNDING: \$2 million (SBCA account)
EST. NWS: 14,000 ac-ft (total)
OCR DIR: New Water Rights,
Instream Flow
EST. COST: \$1000 ac-ft

Requests the remaining \$2 million (out of \$14 million) from the State Building Construction Account, to offset the \$2 million transferred from the Pend Oreille County PUD's Sullivan Lake Project to the Moses Lake Irrigation & Rehabilitation District (MLRID) North Dam Replacement Project during the 13-15 budget cycle.

2015 - 2017 Projects: Yakima Basin Integrated Plan Project Proposals



- **YBIP 15-17 capital budget proposal is approximately \$30 million**

- **Kachess Reservoir Drought Relief Pumping Plant & Keechelus to Kachess Tunnel Project**
 - \$9.5 million
- **Cle Elum Reservoir Fish Passage**
 - \$8.5 million
- **Water Conservation Projects**
 - \$5 million



2015 - 2017 Projects: Yakima Basin Integrated Plan Project Proposals



- **Aquatic Habitat Enhancements & Watershed Enhancements Acquisition**
 - \$5 million
- **EIS Preparation for Tieton Reservoir Fish Passage**
 - \$1 million
- **Water Marketing and Banking Development**
 - \$500,000
- **Aquifer Storage and Recovery Project**
 - \$500,000

Questions?



Kennewick Irrigation District (KID) Kiona Intake construction