



Department of Energy

Bonneville Power Administration
P.O. Box 3621
Portland, Oregon 97208-3621

FREEDOM OF INFORMATION ACT/PRIVACY PROGRAM

May 17, 2018

In reply refer to: FOIA BPA 2018-00845-F

Amy Eberling

Request received via email from: (b) (6)

Dear Ms. Eberling:

This communication is the Bonneville Power Administration's (BPA) final response to your request for agency records and information made under the Freedom of Information Act, 5 U.S.C. § 552 (FOIA). Your records request was received on March 23, 2018. Your records request was acknowledged on April 6, 2018. Your records request was responded to and further amended as described below.

March 23, 2018 Request

"[Records related to or showing]... how much funding BPA provides to NOAA's science, research or for any other reasons you might describe (including the ESA)... [and]... who/what department(s) in NOAA [are] being funded by BPA..."

March 27, 2018 Responsive Public Information Provided

The agency sent you the Internet link www.cbfish.org, via email, containing responsive publicly available information.

March 27, 2018 Clarification

"[Information]...for the years 1998-2018 (or as current as possible due to fiscal year timing). A responsive document should be sufficient."

April 5, 2018 Clarification (superseding the date range requested in the March 27, 2018 Clarification)

"[Information for]...the years 2012 [to] current would be sufficient."

April 16, 2018 Responsive Public Information Provided

Further in the agency's ongoing response to your FOIA request, the agency's Natural Resources desk offered that, at the Internet link www.cbfish.org, the Interactive Map and Report on spending by entity was partly responsive to your FOIA request. Also, Figure 10 in the previously provided and publicly available 16th Annual Report to the Northwest Governors Annual Cost Report (which the Northwest Power and Conservation Council prepares with data provided by BPA) provided you with responsive information:

<https://www.nwcouncil.org/media/7491102/2017-2.pdf>

April 23, 2018 Clarifications

You submitted these follow-up inquiries to the agency (edited for brevity):

1. Did all the money shown on the charts go directly to the science center/funding?
2. Can BPA provide specifics on where the money went (seen on pg. 10 here <https://www.nwcouncil.org/media/7491102/2017-2.pdf>)?
3. Can BPA release the specifics on who the "private/non-profit/other" groups are, as shown on "Contractor Costs FY2016" (see on pg. 19 here <https://www.nwcouncil.org/media/7491102/2017-2.pdf>)?
4. Also, the chart labels these as "contracts." Are these binding contracts?
5. Does BPA require a non-disclosure agreement with these agencies?

Response

Responsive to your FOIA request, the agency's Fish & Wildlife office has generated a report showing all expenditures for NOAA Fisheries during the fiscal years 2012 through 2017, by project. That responsive report, NOAA Contract Expenditures Fiscal Years 2012-2017 (1 page), accompanies this communication.

Responsive to your enumerated questions, above, the agency's Fish & Wildlife office has generated the following information and reports:

1. *Did all the money shown on the charts go directly to the science center/funding?*

No, BPA funding for the Science Center goes through NOAA Fisheries. We have various contracts with NOAA Fisheries, but the Science Center is not necessarily involved in each project. That responsive report, "FY16 NOAA contracts (2 pages)," accompanies this communication and provides a list of 31 active contracts during fiscal year 2016.

2. *Can BPA provide specifics on where the money went?*

This information is found on a report accompanying this communication ("Direct Program Expenditures of FCRPS BiOp Projects, FY2016 (4 Pages)"). Statements of Work for each project show the budgets assigned to each work element. Actual costs that BPA reimbursed to the NOAA Fisheries (which may be less than the amount budgeted) are listed on the report under Question 1. If this question refers to all FCRPS spending, see page 10 of the Northwest Council's Governors Report.

3. *Can BPA release the specifics on the identities of "private/non-profit/other" groups, as shown on "Contractor Costs FY2016"?*

Yes, the names of all of BPA's fish and wildlife mitigation contractors are public and found within the website www.cbfish.org. BPA has also prepared a report showing this information ("Direct Program Expenditures by Contractor Type, FY2016 (4 Pages)"), and it accompanies this communication.

4. *Also, the chart labels these as "contracts." Are these binding contracts?*

Yes, contracts are legally binding procurement contracts administered following the BPA

Purchasing Instructions. BPA does not use the Federal Acquisition Regulations used by most agencies. BPA uses contracts when funding goods and services needed by the agency, and uses either contracts or financial assistance agreements (grants) to fund other types of work, including Fish and Wildlife projects.

You may review the BPA Purchasing Instructions and financial assistance instructions at the following links:

<https://www.bpa.gov/Doing%20Business/purchase/Pages/default.aspx>

<https://www.bpa.gov/Doing%20Business/finassist/Pages/default.aspx>

5. *Does BPA require a non-disclosure agreement with these agencies?*

BPA does not usually require non-disclosure agreements, and such agreements are subject to applicable disclosure laws including the Freedom of Information Act. Information about non-disclosure can also be found in the BPA Purchasing Instructions linked above, primarily in section 17.6.2.

In accord with the FOIA, BPA is herein releasing 11 pages of responsive agency records/reports, as described above, with no redactions applied.

Fee

There are no fees applicable to your request for agency information.

Certification

Your FOIA request is now closed with all available agency records and information provided. Pursuant to 10 C.F.R. § 1004.7(b)(2), I am the individual responsible for the release and determinations described above.

Appeal

This decision, as well as the adequacy of the search, may be appealed within 90 calendar days from your receipt of this letter pursuant to 10 C.F.R. § 1004.8. Appeals should be addressed to:

Director, Office of Hearings and Appeals,
HG-1, L'Enfant Plaza
U.S. Department of Energy
1000 Independence Avenue, S.W.
Washington, D.C. 20585-1615

The written appeal, including the envelope, must clearly indicate that a FOIA appeal is being made. You may also submit your appeal to OHA.filings@hq.doe.gov, including the phrase "Freedom of Information Appeal" in the subject line. The appeal must contain all of the elements required by 10 C.F.R. § 1004.8, including a copy of the determination letter. Thereafter, judicial review will be available to you in the Federal District Court either: 1) in the

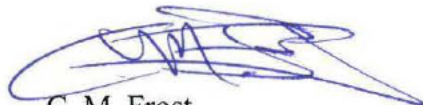
district where you reside; 2) where you have your principal place of business; 3) where DOE's records are situated; or 4) in the District of Columbia.

You may contact BPA's FOIA Public Liaison, Jason Taylor, at the address on this letter header for any further assistance and to discuss any aspect of your request. Additionally, you may contact the Office of Government Information Services (OGIS) at the National Archives and Records Administration to inquire about the FOIA mediation services they offer. The contact information for OGIS is as follows:

Office of Government Information Services
National Archives and Records Administration
8601 Adelphi Road-OGIS
College Park, Maryland 20740-6001
E-mail: ogis@nara.gov
Phone: 202-741-5770; Toll-free: 1-877-684-6448; Fax: 202-741-5769

Questions about this communication may be directed to James King, CorSource Technology Group LLC, at jjking@bpa.gov or 503.230.7621.

Sincerely,



C. M. Frost
Freedom of Information/Privacy Act Officer

Enclosed: responsive records

Direct Program Expenditures by Contractor Type, FY2016

| Contractor Type | Prime Contractor | 2016 |
|----------------------|--|----------------------|
| FEDERAL | NATIONAL MARINE FISHERIES (NOAA) | \$6,916,950 |
| | BPA OVERHEAD (& NON-CONTRACTED PROJECT COSTS) | \$20,288,062 |
| | US FISH & WILDLIFE SERVICE (USFWS) | \$3,027,580 |
| | US BUREAU OF RECLAMATION (BOR) | \$263,562 |
| | US ARMY CORP OF ENGINEERS (COE) | \$1,278,361 |
| | PACIFIC NW NATIONAL LABORATORY/DEPT. OF ENERGY | \$793,662 |
| | US FOREST SERVICE (USFS) | \$962,585 |
| | US GEOLOGICAL SURVEY (USGS) | \$1,809,300 |
| FEDERAL TOTAL | | \$35,340,062 |
| STATE | OREGON DEPARTMENT OF FISH & WILDLIFE | \$15,246,156 |
| | OREGON WATERSHED ENHANCEMENT BOARD | \$55,535 |
| | OREGON Subtotal | \$15,301,691 |
| | IDAHO DEPARTMENT OF FISH & WILDLIFE | \$11,875,775 |
| | IDAHO SOIL & WATER CONSERVATION COMMISSION | |
| | IDAHO STATE OFFICE OF SPECIES CONSERVATION | \$3,352,210 |
| | IDAHO Subtotal | \$15,227,985 |
| | WASHINGTON DEPARTMENT OF FISH & WILDLIFE | \$12,793,663 |
| | WASHINGTON DEPARTMENT OF ECOLOGY | |
| | WASHINGTON Subtotal | \$12,793,663 |
| | MONTANA FISH, WILDLIFE AND PARKS (MFWP) | \$3,810,995 |
| | MONTANA Subtotal | \$3,810,995 |
| | STATE TOTAL | |
| TRIBE | BURNS PAIUTE TRIBE | \$797,849 |
| | COEUR D'ALENE TRIBE OF IDAHO | \$2,722,811 |
| | COLUMBIA RIVER INTERTRIBAL FISH COMMISSION | \$9,140,737 |
| | COLVILLE CONFEDERATED TRIBES | \$15,137,000 |
| | CONFEDERATED TRIBES OF GRAND RONDE | \$163,102 |
| | CONFEDERATED TRIBES OF SILETZ INDIANS | \$124,210 |
| | CONFEDERATED TRIBES OF WARM SPRINGS | \$6,615,140 |
| | COWLITZ INDIAN TRIBE | \$661,308 |
| | FORT McDERMITT TRIBE | \$4,650 |
| | KALISPEL TRIBE OF INDIANS | \$3,359,054 |
| | KOOTENAI TRIBE | \$15,188,307 |
| | NEZ PERCE TRIBE | \$16,526,287 |
| | SALISH AND KOOTENAI TRIBES CONFEDERATED TRIBES | \$632,232 |
| | SHOSHONE-BANNOCK TRIBES | \$3,422,313 |
| | SHOSHONE-PAUITE TRIBES | \$936,944 |
| | SPOKANE TRIBE OF INDIANS | \$3,403,933 |
| | UMATILLA CONFEDERATED TRIBES | \$10,584,971 |
| | UPPER COLUMBIA UNITED TRIBES (UCUT) | \$466,896 |
| | UPPER SNAKE RIVER TRIBES FOUNDATION | \$381,505 |
| | YAKAMA CONFEDERATED TRIBES | \$27,344,154 |
| TRIBE TOTAL | | \$117,613,403 |

| Contractor Type | Prime Contractor | 2016 |
|------------------------|--|---------------------|
| INTERSTATE | | |
| COMPACT | PACIFIC STATES MARINE FISHERIES COMMISSION (PSMFC) | \$13,908,920 |
| UNIVERSITY | UNIVERSITIES | \$3,036,343 |

| OTHER | PRIVATE/NON-PROFIT/OTHER | \$25,183,985 |
|--------------|--|---------------------|
| | American Indian Science and Engineering | 7,944 |
| | Clackamas River Basin Council | 84,294 |
| | Columbia Land Trust | 1,802,730 |
| | Columbia River Estuary Study Taskforce (CREST) | 2,718,296 |
| | Friends of Buford Park | 20,807 |
| | Grande Ronde Model Watershed Foundation | 862,568 |
| | Greenbelt Land Trust | 156,488 |
| | Lake Roosevelt Development Association | 187,210 |
| | Lake Roosevelt Forum | 19,140 |
| | Long Tom Watershed Council | 298,688 |
| | Lower Columbia Estuary Partnership | 3,664,902 |
| | Luckiamute Watershed Council | 18,987 |
| | Methow Salmon Recovery Foundation | 538,037 |
| | Northwest Power and Conservation Council | 629,204 |
| | Tri-State Steelheaders | 70,124 |
| | Trout Unlimited (TU) | 1,109,499 |
| | Upper Columbia Salmon Recovery Board | 320,895 |
| | Wallowa Resources | 6,651 |
| | Washington Resource Conservation and Development | 861,628 |
| | Willamette Riverkeeper | 84,374 |
| | Bioanalysts, Inc. | 1,141,618 |
| | Cardno Inc | 38,625 |
| | Cramer Fish Sciences | 202,302 |
| | Cultural Resource Consultants Inc | -3,055 |
| | Eco Logical Research | 1,876,952 |
| | Falling Springs, LLC | 503,566 |
| | HDR Engineering, Inc. | 256,855 |
| | ICF Jones & Stokes Inc | 6,156 |
| | Intermountain Communications | 148,412 |
| | Jones and Stokes Associates | 174,925 |
| | Luis A Prado | 954 |
| | Mackay Sposito | 1,363 |
| | McMillen Jacobs Associates | 449,630 |
| | Natural Systems Design | 462,646 |
| | Pacific Habitat Services Inc | 22,895 |
| | PBS Engineering and Environmental | 9,280 |
| | PC Trask and Associates | 308,130 |
| | Pyramid Communications Inc | 18,726 |
| | Quantitative Consultants Inc | 1,709,060 |
| | Sitka Technology Group | 1,151,684 |
| | South Fork Research, Inc. | 754,014 |
| | Terraqua, Inc. | 2,167,509 |
| | Tetra Tech, Inc. | 286,372 |
| | Synergy Consulting Inc | 32,901 |
| | LOCAL/SEMI GOVERNMENT | \$7,743,399 |
| | Chelan County | 155,910 |

| Contractor Type | Prime Contractor | 2016 |
|------------------------|---|---------------------|
| | City of Yakima | -7,712 |
| | Clatsop County Fisheries | 477,313 |
| | Gardena Farms Irrigation District #13 | 96,063 |
| | Hudson Bay District Improvement Company | 56,680 |
| | Walla Walla Basin Watershed Council | 1,002,406 |
| | Westland Irrigation District | 512,811 |
| | Asotin County Conservation District | 488,912 |
| | Benton Soil and Water Conservation District | 7,441 |
| | Cascadia Conservation District | 40,174 |
| | Columbia Conservation District (SWCD) | 848,030 |
| | Custer Soil and Water Conservation District (SWCD) | 830,799 |
| | Gilliam County Soil and Water Conservation District (SWCE) | 78,377 |
| | Jefferson County Soil and Water Conservation District (SWC) | 158,488 |
| | Kittitas County Conservation District | 20,095 |
| | Latah Soil and Water Conservation District (SWCD) | 883,471 |
| | Nez Perce Soil and Water Conservation District (SWCD) | 260,606 |
| | Sherman Soil and Water Conservation District (SWCD) | -40,388 |
| | Underwood Conservation District (UCD) | 51,421 |
| | Union County Soil and Water Conservation District (SWCD) | 1,574,072 |
| | Walla Walla County Conservation District (SWCD) | 6,641 |
| | Wasco County Soil and Water Conservation District (SWCE) | 162,196 |
| | Wheeler County Soil and Water Conservation District (SWC) | 79,591 |
| | LAND ACQUISITIONS² | \$18,204,478 |
| | Alliance Title & Escrow Corporation | 786,320 |
| | Amerititle | 260,540 |
| | Confederated Tribes Of The Grand Ronde | 670,000 |
| | Eastern Oregon Title Inc | 1,783,866 |
| | First American Title Co Of Montana Inc | 1,815,934 |
| | First American Title Company Of Oregon | 4,233,710 |
| | First American Title Insurance Co Of Wa | 1,817,327 |
| | First American Title Insurance Company | 3,591,650 |
| | Hanigan Law Office P S | 40,308 |
| | Idaho Dept Of Fish And Game | 466,453 |
| | Lemhi Regional Land Trust | 680,000 |
| | McKenzie River Trust | 43,300 |
| | Sandpoint Title Insurance Inc | 85,217 |
| | State Of Idaho Endowment Fund Investment | 1,411,128 |
| | Susan Coleman | 5,899 |
| | Ticor Title Company Of Oregon | 512,827 |
| | UTILITY | \$1,214,990 |
| | Benton County Pud No 1 | 51,927 |
| | Grant PUD | -774,836 |
| | Klickitat County Pud No 1 | 9,902 |
| | Okanogan County Pud No 1 | 105 |
| | Pacific Power & Light Co | 80,982 |
| | Pacific Power and Light Company | 293,623 |
| | Portland General Electric | 47,934 |
| | Puget Sound Energy | 389,396 |
| | Umatilla Electric Cooperative | 1,096,708 |
| | Yakama Power | 19,250 |
| | NATIONAL FISH & WILDLIFE FOUNDATION | \$4,792,260 |

| Contractor Type | Prime Contractor | 2016 |
|--------------------|------------------|----------------------|
| OTHER TOTAL | | \$57,139,111 |
| GRAND TOTAL | | \$274,172,174 |

NOTES:

- 1) Values above include accruals.
- 2) Starting in FY13, land acquisition values may include stewardship costs for long-term operations and maintenance (O&M).

**Bonneville Power Administration Fish and Wildlife
Direct Program Expenditures of FCRPS BiOp Projects, FY2016**

By Project

| Project | Project Title | Project Sponsor | FY16 Expenditures |
|-------------|---|--|-------------------|
| 1982-013-01 | Coded Wire-Tag Pacific States Marine Fisheries Commission (PSMFC) | Pacific States Marine Fisheries Commission | \$300,689 |
| 1982-013-03 | Coded Wire Tag US Fish and Wildlife Service (USFWS) | US Fish and Wildlife Service (USFWS) | \$35,058 |
| 1983-319-00 | New Marking and Monitoring Technologies | National Oceanic and Atmospheric Administration | \$581,205 |
| 1983-350-00 | Nez Perce Tribal Hatchery Operations and Maintenance (O&M) | Nez Perce Tribe | \$1,966,476 |
| 1983-350-03 | Nez Perce Tribal Hatchery Monitoring and Evaluation (M&E) | Nez Perce Tribe | \$2,016,483 |
| 1983-436-00 | Umatilla Passage Operations and Maintenance (O&M) | Westland Irrigation District | \$512,811 |
| 1984-021-00 | John Day Habitat Enhancement | Oregon Department of Fish and Wildlife | \$582,550 |
| 1984-025-00 | Grande Ronde Fish Habitat Improvement | Oregon Department of Fish and Wildlife | \$452,607 |
| 1987-100-01 | Umatilla Anadromous Fish Habitat-Umatilla Tribe | Umatilla Confederated Tribes (CTUIR) | \$974,091 |
| 1987-100-02 | Umatilla Anadromous Fish Habitat-Oregon Department of Fish and Wildlife (ODFW) | Oregon Department of Fish and Wildlife | \$284,244 |
| 1987-127-00 | Smolt Monitoring by Non-Federal Entities | Fish Passage Center, Pacific States Marine Fisheries Commission | \$2,346,185 |
| 1988-022-00 | Umatilla Fish Passage Operations | Umatilla Confederated Tribes (CTUIR) | \$508,463 |
| 1988-053-01 | Northeast Oregon Hatchery Master Plan | Nez Perce Tribe | \$203,990 |
| 1988-053-03 | Hood River Production Monitoring and Evaluation (M&E)-Warm Springs | Confederated Tribes of Warm Springs | \$538,637 |
| 1988-053-04 | Hood River Production Monitor and Evaluation (M&E)-Oregon Department of Fish and Wildlife | Confederated Tribes of Warm Springs | \$530,491 |
| 1988-053-07 | Hood River Production Operations and Maintenance (O&M)-Warm Springs | Confederated Tribes of Warm Springs | \$767,275 |
| 1988-053-08 | Hood River Production Operations and Maintenance (O&M) and Powerdale | Oregon Department of Fish and Wildlife | \$521,799 |
| 1988-053-15 | Hood River Artificial Production-Parkdale | Oregon Department of Fish and Wildlife | -\$325,135 |
| 1988-108-04 | (NED) | Pacific States Marine Fisheries Commission | \$1,992,465 |
| 1988-115-35 | Klickitat River Design and Construction-Yakima/Klickitat Fisheries Project (YKFP) | Yakama Confederated Tribes | \$12,485 |
| 1988-120-25 | Yakima River Management, Data and Habitat-Yakima/Klickitat Fisheries Project (YKFP) | Yakama Confederated Tribes | \$1,024,180 |
| 1988-120-35 | Klickitat River Management, Data and Habitat-Yakima/Klickitat Fisheries Project (YKFP) | Yakama Confederated Tribes | \$509,489 |
| 1989-024-01 | Evaluate Umatilla Juvenile Salmonid Outmigration | Oregon Department of Fish and Wildlife | \$520,846 |
| 1989-027-00 | Umatilla Basin Power Repay | Umatilla Confederated Tribes (CTUIR) | \$1,471,313 |
| 1989-096-00 | Genetic Monitoring and Evaluation (M&E) Program for Salmon and Steelhead | National Oceanic and Atmospheric Administration | \$576,608 |
| 1989-098-00 | Salmon Studies in Idaho Rivers | Idaho Department of Fish and Game (IDFG), Nez Perce Tribe, Shoshone-Bannock Tribes, US Fish and Wildlife Service (USFWS) | \$103,643 |
| 1989-107-00 | Statistical Support For Salmon | University of Washington | \$199,154 |
| 1989-108-00 | Modeling and Evaluation Support/Columbia River Integrated Statistical Program (CRISP) | University of Washington | \$331,960 |
| 1990-005-00 | Umatilla Hatchery Monitoring and Evaluation (M&E) | Oregon Department of Fish and Wildlife | \$667,303 |
| 1990-005-01 | Umatilla Basin Natural Production Monitoring and Evaluation (M&E) | Umatilla Confederated Tribes (CTUIR) | \$768,508 |
| 1990-055-00 | Idaho Steelhead Monitoring and Evaluation (M&E) Studies | Idaho Department of Fish and Game (IDFG) | \$1,182,062 |
| 1990-077-00 | Development of Systemwide Predator Control | Pacific States Marine Fisheries Commission | \$4,251,762 |
| 1990-080-00 | Columbia Basin Pit-Tag Information | Pacific States Marine Fisheries Commission | \$2,291,016 |
| 1991-028-00 | Pit Tagging Wild Chinook | National Oceanic and Atmospheric Administration | \$492,479 |
| 1991-029-00 | Research, monitoring, and evaluation of emerging issues and measures to recover the Snake River fall Chinook salmon ESU | University of Idaho, US Fish and Wildlife Service (USFWS), US Geological Survey (USGS) | \$583,637 |
| 1991-051-00 | Modeling and Evaluation Statistical Support for Life-Cycle Studies | University of Washington | \$434,466 |
| 1991-073-00 | Idaho Natural Production Monitoring and Evaluation (M&E) | Idaho Department of Fish and Game (IDFG) | \$1,224,984 |
| 1992-009-00 | Yakima Phase II Fish Screens Operations and Maintenance (O&M) with Washington Department of Fish and Wildlife (WDFW) | Washington Department of Fish and Wildlife (WDFW) | \$354,888 |
| 1992-026-01 | Grande Ronde Model Watershed | Grande Ronde Model Watershed Foundation | \$3,483,480 |
| 1992-026-04 | Grande Ronde Early Life History of Spring Chinook and Steelhead | Oregon Department of Fish and Wildlife | \$1,242,383 |
| 1992-062-00 | Lower Yakima Valley Riparian Wetlands Restoration | Yakama Confederated Tribes | \$1,600,109 |
| 1993-029-00 | Survival Estimate for Passage through Snake and Columbia River Dams and Reservoirs | National Oceanic and Atmospheric Administration | \$1,599,336 |
| 1993-040-00 | Fifteenmile Creek Habitat Improvement | Oregon Department of Fish and Wildlife | \$307,599 |
| 1993-056-00 | Advance Hatchery Reform Research | National Oceanic and Atmospheric Administration | \$594,650 |
| 1993-060-00 | Select Area Fisheries Enhancement | Clatsop County Fisheries, Oregon Department of Fish and Wildlife, Washington Department of Fish and Wildlife (WDFW) | \$1,920,417 |
| 1993-066-00 | Oregon Fish Screens Project | Oregon Department of Fish and Wildlife | \$2,669,432 |
| 1994-015-00 | Idaho Fish Screening Improvement | Idaho Department of Fish and Game (IDFG) | \$397,085 |
| 1994-018-05 | Asotin Creek Enhancement and Restoration | Asotin County Conservation District | \$488,874 |
| 1994-018-06 | Tucannon Stream and Riparian Restoration | Columbia Conservation District (SWCD) | \$364,045 |
| 1994-033-00 | Fish Passage Center | Fish Passage Center, Pacific States Marine Fisheries Commission | \$1,519,081 |
| 1994-042-00 | Trout Creek Operations and Maintenance (O&M) | Oregon Department of Fish and Wildlife | \$394,918 |
| 1995-060-01 | Isq̄ulk̄tpe Watershed Project | Umatilla Confederated Tribes (CTUIR) | \$191,623 |
| 1995-063-25 | Yakima River Monitoring and Evaluation-Yakima/Klickitat Fisheries Project (YKFP) | Yakama Confederated Tribes | \$5,420,152 |
| 1995-063-35 | Klickitat River Monitoring and Evaluation-Yakima/Klickitat Fisheries Project (YKFP) | Yakama Confederated Tribes | \$1,203,974 |
| 1996-019-00 | Data Access in Real Time (DART) | University of Washington | \$293,938 |

| Project | Project Title | Project Sponsor | FY16 Expenditures |
|-------------|--|--|-------------------|
| 1996-020-00 | Comparative Survival Study (CSS) | Columbia Basin Fish and Wildlife Foundation, Fish Passage Center, Pacific States Marine Fisheries Commission, US Fish and Wildlife Service (USFWS) | \$1,814,504 |
| 1996-035-01 | Yakama Reservation Watershed Project | Yakama Confederated Tribes | \$1,410,921 |
| 1996-042-00 | Restore Salmon Creek Anadromous Fish | Colville Confederated Tribes | \$179,160 |
| 1996-043-00 | Johnson Creek Artificial Propagation Enhancement | Nez Perce Tribe | \$1,443,622 |
| 1996-046-01 | Walla Walla River Basin Fish Habitat Enhancement | Umatilla Confederated Tribes (CTUIR) | \$1,124,015 |
| 1996-077-02 | Lolo/Selway River Watershed Restoration | Nez Perce Tribe | \$395,882 |
| 1996-083-00 | Grand Ronde Watershed Restoration | Umatilla Confederated Tribes (CTUIR) | \$741,186 |
| 1997-015-01 | Imnaha River Smolt Monitoring | Nez Perce Tribe | \$446,972 |
| 1997-024-00 | Avian Predation on Juvenile Salmonids | Northwest Power and Conservation Council | \$578,583 |
| 1997-030-00 | Secesh chinook & Joseph Creek steelhead abundance monitoring | Nez Perce Tribe | \$550,077 |
| 1997-038-00 | Listed Stock Chinook Salmon Gamete Preservation | Nez Perce Tribe | \$43,158 |
| 1997-051-00 | Yakima Basin Side Channels Land Acquisition | Yakama Confederated Tribes | \$1,526,475 |
| 1997-056-00 | Klickitat Watershed Enhancement | Yakama Confederated Tribes | \$473,246 |
| 1998-007-02 | Grande Ronde Supplementation Operations and Maintenance (O&M) and Monitoring and Evaluation (M&E) on Lostine River | Nez Perce Tribe | \$822,690 |
| 1998-007-03 | Grande Ronde Supplementation O&M on Catherine Creek/Upper Grande Ronde River | Umatilla Confederated Tribes (CTUIR) | \$546,575 |
| 1998-007-04 | Grande Ronde Spring Chinook on Lostine/Catherine Creek/ Upper Grande Ronde Rivers | Oregon Department of Fish and Wildlife | \$211,459 |
| 1998-014-00 | Ocean Survival Of Salmonids | National Oceanic and Atmospheric Administration | \$1,111,035 |
| 1998-016-00 | Escapement and Productivity of Spring Chinook and Steelhead | Oregon Department of Fish and Wildlife | \$1,035,018 |
| 1998-019-00 | Wind River Watershed | Underwood Conservation District (UCD), US Forest Service (USFS), US Geological Survey (USGS), Washington Department of Fish and Wildlife (WDFW) | \$559,668 |
| 1998-021-00 | Hood River Fish Habitat | Confederated Tribes of Warm Springs | \$429,450 |
| 1998-022-00 | Pine Creek Conservation Area | Confederated Tribes of Warm Springs | \$332,509 |
| 1998-028-00 | Trout Creek Watershed Restoration | Jefferson County Soil and Water Conservation District (SWCD) | \$158,488 |
| 1999-003-01 | Evaluate Spawning of Fall Chinook and Chum Salmon Just Below the Four Lowermost Mainstem Dams | Columbia Conservation District (SWCD) | \$66,786 |
| 1999-017-00 | Protect and Restore Lapwai Creek Watershed | Nez Perce Tribe | \$379,190 |
| 1999-020-00 | Analyze Persistence and Dynamics in Chinook Redds | US Forest Service (USFS) | \$52,443 |
| 2000-015-00 | Oxbow Conservation Area | Confederated Tribes of Warm Springs | \$650,189 |
| 2000-026-00 | Rainwater Wildlife Area Operations | Umatilla Confederated Tribes (CTUIR) | \$428,849 |
| 2000-031-00 | Enhance Habitat in the North Fork John Day River | Umatilla Confederated Tribes (CTUIR) | \$616,318 |
| 2000-035-00 | Newsome Creek Watershed Restoration | Nez Perce Tribe | \$361,930 |
| 2000-039-00 | Walla Walla River Basin Monitoring and Evaluation (M&E) | Umatilla Confederated Tribes (CTUIR) | \$821,402 |
| 2001-021-00 | 15 Mile Creek Riparian Buffers | Wasco County Soil and Water Conservation District (SWCD) | \$88,970 |
| 2001-041-01 | Forrest Conservation Area | Confederated Tribes of Warm Springs | \$639,603 |
| 2002-013-01 | Water Entity - CBWTP | National Fish and Wildlife Foundation | \$4,255,090 |
| 2002-015-00 | Coordination and Technical Assistance to Watershed Councils and Individuals in Sherman County, Oregon | Sherman Soil and Water Conservation District (SWCD) | -\$40,388 |
| 2002-019-00 | Develop Riparian Buffer Systems in Lower Wasco County | Wasco County Soil and Water Conservation District (SWCD) | \$73,226 |
| 2002-031-00 | Growth Modulation in Salmon Supplementation | National Oceanic and Atmospheric Administration, University of Washington | \$324,876 |
| 2002-032-00 | Snake River Fall Chinook Salmon Life History Investigations | Pacific Northwest National Laboratory, University of Washington, US Fish and Wildlife Service (USFWS), US Geological Survey (USGS) | \$1,127,871 |
| 2002-034-00 | Riparian Buffers in Wheeler County | Wheeler County Soil and Water Conservation District (SWCD) | \$79,591 |
| 2002-035-00 | Riparian Buffers in Gilliam County | Gilliam County Soil and Water Conservation District (SWCD) | \$78,377 |
| 2002-053-00 | Asotin Creek Salmon Population Assessment | Washington Department of Fish and Wildlife (WDFW) | \$233,868 |
| 2002-059-00 | Yankee Fork Salmon River Restoration | Shoshone-Bannock Tribes | \$535,634 |
| 2002-060-00 | Nez Perce Harvest Monitoring on Snake and Clearwater Rivers | Nez Perce Tribe | \$346,868 |
| 2002-061-00 | Potlatch River Watershed Restoration | Latah Soil and Water Conservation District (SWCD) | \$372,822 |
| 2002-070-00 | Lapwai Creek Anadromous Habitat | Nez Perce Soil and Water Conservation District (SWCD) | \$260,606 |
| 2002-072-00 | Red River/Newsome Creek Watershed Restoration | Nez Perce Tribe | \$530,902 |
| 2003-007-00 | Lower Columbia River Estuary Ecosystem Monitoring | Lower Columbia Estuary Partnership | \$987,348 |
| 2003-011-00 | Columbia River Estuary Habitat Restoration | Lower Columbia Estuary Partnership | \$2,817,809 |
| 2003-017-00 | Integrated Status and Effectiveness Monitoring Program (ISEMP) | Sea Resources, Inc. | \$4,910,341 |
| 2003-022-00 | Okanogan Basin Monitoring & Evaluation Program (OBMEP) | Colville Confederated Tribes | \$861,573 |
| 2003-023-00 | Chief Joseph Hatchery Program | Colville Confederated Tribes | \$2,345,630 |

| Project | Project Title | Project Sponsor | FY16 Expenditures |
|-------------|---|--|-------------------|
| 2003-039-00 | Monitor and Evaluate (M&E) Reproductive Success and Survival in Wenatchee River | National Oceanic and Atmospheric Administration, Washington Department of Fish and Wildlife (WDFW) | \$492,855 |
| 2003-054-00 | Evaluate the Relative Reproductive Success of Hatchery-Origin and Wild-Origin Steelhead Spawning Naturally in the Hood River | Oregon State University | \$331,526 |
| 2003-063-00 | Natural Reproductive Success and Demographic Effects of Hatchery-Origin Steelhead in Abernathy Creek, Washington | US Fish and Wildlife Service (USFWS) | \$714,566 |
| 2004-002-00 | Pacific Northwest Aquatic Monitoring Program (PNAMP) Coordination | US Geological Survey (USGS) | \$799,408 |
| 2005-002-00 | Lower Granite Dam Adult Trap Operations | National Oceanic and Atmospheric Administration | \$410,089 |
| 2006-004-00 | Wenas Wildlife Mitigation | Washington Department of Fish and Wildlife (WDFW) | \$569,219 |
| 2007-064-00 | Slate Creek Watershed Restoration | US Forest Service (USFS) | \$146,562 |
| 2007-083-00 | Grande Ronde Supplementation Monitoring and Evaluation (M&E) on Catherine Creek/Upper Grande Ronde River | US Forest Service (USFS) | \$270,591 |
| 2007-092-00 | Restore Selway River Watershed | US Forest Service (USFS) | \$353,477 |
| 2007-127-00 | East Fork of South Fork Salmon River Passage Restoration | US Forest Service (USFS) | \$785,039 |
| 2007-156-00 | Rock Creek Fish and Habitat Assessment | US Forest Service (USFS) | \$368,157 |
| 2007-217-00 | Walla Walla River Passage Operations and Maintenance (O&M) | US Forest Service (USFS) | \$152,743 |
| 2007-224-00 | Okanogan Subbasin Habitat Implementation Program (OSHIP) | US Forest Service (USFS) | \$1,518,263 |
| 2007-268-00 | Idaho Watershed Habitat Restoration-Custer District | Coeur D'Alene Tribe | \$123,184 |
| 2007-299-00 | Investigation of Relative Reproductive Success of Stray Hatchery & Wild Steelhead & Influence of Hatchery Strays on Natural Productivity in Deschutes | Coeur D'Alene Tribe | \$314,214 |
| 2007-393-00 | Protect and Restore Northeast Oregon | Coeur D'Alene Tribe | \$231,227 |
| 2007-394-00 | Upper Salmon Basin Habitat Restoration | Coeur D'Alene Tribe | \$439,440 |
| 2007-395-00 | Protect and Restore Lochsa Watershed | Coeur D'Alene Tribe | \$1,330,961 |
| 2007-396-00 | Walla Walla Basinwide Tributary Passage and Flow | Coeur D'Alene Tribe | \$1,002,687 |
| 2007-397-00 | John Day Watershed Restoration | Coeur D'Alene Tribe | \$1,307,789 |
| 2007-398-00 | Yakima Basinwide Tributary Passage and Flow | Coeur D'Alene Tribe | \$861,628 |
| 2007-399-00 | Upper Salmon Screen Tributary Passage | Coeur D'Alene Tribe | \$842,377 |
| 2007-401-00 | Kelt Reconditioning and Reproductive Success Evaluation Research | Coeur D'Alene Tribe | \$1,487,854 |
| 2007-402-00 | Snake River Sockeye Captive Propagation | Coeur D'Alene Tribe | \$4,118,948 |
| 2007-403-00 | Spring Chinook Captive Propagation-Idaho | Coeur D'Alene Tribe | \$33,275 |
| 2007-404-00 | Spring Chinook Captive Propagation-Oregon | Coeur D'Alene Tribe | \$85,690 |
| 2008-004-00 | Sea Lion Non-Lethal Hazing | National Oceanic and Atmospheric Administration | \$278,813 |
| 2008-102-00 | Okanogan Habitat Acquisition and Restoration | Colville Confederated Tribes | \$346,120 |
| 2008-104-00 | Land & Water Acquisition | Colville Confederated Tribes | \$155,799 |
| 2008-105-00 | Selective Gear Deployment | Colville Confederated Tribes | \$450,191 |
| 2008-202-00 | Protect and Restore Tucannon Watershed | Colville Confederated Tribes | \$299,438 |
| 2008-203-00 | Assess Reintroduction of Steelhead in Butte, McKay & Willow Creeks | Colville Confederated Tribes | \$44,678 |
| 2008-206-00 | Instream Flow Restoration | Umatilla Confederated Tribes (CTUIR) | \$381,371 |
| 2008-207-00 | Umatilla Tribe Ceded Area Stream Corridor Conservation & Protection | Umatilla Confederated Tribes (CTUIR) | \$1,795,821 |
| 2008-301-00 | Habitat Restoration Planning/Design/Implementation within boundaries of Warm Springs Reservation, lower Deschutes River, Oregon | Colville Confederated Tribes | \$812,940 |
| 2008-311-00 | Natural Production Management and Monitoring | Bonneville Power Administration | \$405,468 |
| 2008-458-00 | Steelhead Kelt Reconditioning | Yakama Confederated Tribes | \$355,043 |
| 2008-471-00 | Upper Columbia Nutrient Supplementation | Yakama Confederated Tribes | \$134,456 |
| 2008-502-00 | Expanded Tribal Catch Sampling | Umatilla Confederated Tribes (CTUIR) | \$115,434 |
| 2008-505-00 | Streamnet Library | Umatilla Confederated Tribes (CTUIR) | \$480,322 |
| 2008-507-00 | CRITFC Inter-Tribal Monitoring Data | Umatilla Confederated Tribes (CTUIR) | \$719,125 |
| 2008-508-00 | Release Mortality Analysis | Umatilla Confederated Tribes (CTUIR) | \$16,519 |
| 2008-603-00 | Pahsimeroi River Habitat | Umatilla Confederated Tribes (CTUIR) | \$1,360,447 |
| 2008-604-00 | Lower Clearwater and Potlatch Watersheds Habitat Improvements | Umatilla Confederated Tribes (CTUIR) | \$843,566 |
| 2008-608-00 | Idaho MOA/Fish Accord Water Transactions | Umatilla Confederated Tribes (CTUIR) | -\$423,971 |
| 2008-710-00 | Chum Salmon Restoration in the tributaries below Bonneville Dam | Bonneville Power Administration | \$1,662,540 |
| 2008-907-00 | Genetic Assessment of Columbia River Stocks | Columbia River Inter-Tribal Fish Commission (CRITFC) | \$972,001 |
| 2008-908-00 | FCRPS Water Studies & Passage of Adult Salmon & Steelhead | Colville Confederated Tribes | \$21,914 |
| 2009-003-00 | Upper Columbia Habitat Restoration | Yakama Confederated Tribes | \$6,934,716 |
| 2009-004-00 | Monitoring Recovery Trends in Key Spring Chinook Habitat Variables and Validation of Population Viability Indicators | Columbia River Inter-Tribal Fish Commission (CRITFC) | \$836,294 |
| 2009-005-00 | Influence of Environment and Landscape on Salmonid Genetics | Columbia River Inter-Tribal Fish Commission (CRITFC) | \$192,398 |
| 2009-026-00 | Walla Walla Juvenile and Adult Passage Improvements | Umatilla Confederated Tribes (CTUIR) | \$80,569 |
| 2010-001-00 | Upper Columbia Programmatic Habitat | Bonneville Power Administration | \$1,962,807 |
| 2010-003-00 | Lower South Fork Clearwater/Slate Creek Watershed Restoration | Nez Perce Tribe | \$778,821 |
| 2010-004-00 | CREST Estuary Habitat Restoration | Columbia River Estuary Study Taskforce (CREST) | \$2,718,296 |
| 2010-026-00 | Chinook and Steelhead Genotyping for Genetic Stock Identification (GSI) at Lower Granite Dam | Idaho Department of Fish and Game (IDFG) | \$621,267 |
| 2010-028-00 | Estimate Adult Steelhead Abundance in Small Streams Associated with Tucannon & Asotin Populations | Washington Department of Fish and Wildlife (WDFW) | \$49,614 |

| Project | Project Title | Project Sponsor | FY16 Expenditures |
|-------------|--|--|-------------------|
| 2010-030-00 | Project to provided VSP Estimates for Yakima Steelhead MPG | Yakama Confederated Tribes | \$531,456 |
| 2010-031-00 | Snake River Chinook and Steelhead Parental Based Tagging | Idaho Department of Fish and Game (IDFG) | \$1,358,675 |
| 2010-032-00 | Imnaha River Steelhead Status Monitoring | Nez Perce Tribe | \$405,431 |
| 2010-033-00 | Study Reproductive Success of Hatchery and Natural Origin Steelhead in the Methow | Washington Department of Fish and Wildlife (WDFW) | \$391,784 |
| 2010-034-00 | Upper Columbia Spring Chinook and Steelhead Juvenile and Adult Abundance, Productivity and Spatial Structure Monitoring | Washington Department of Fish and Wildlife (WDFW) | \$869,265 |
| 2010-035-00 | Abundance, Productivity and Life History of Fifteenmile Creek Winter Steelhead | Oregon Department of Fish and Wildlife | \$276,432 |
| 2010-036-00 | Lower Columbia Coded Wire Tag (CWT) Recovery Project | Washington Department of Fish and Wildlife (WDFW) | \$1,616,271 |
| 2010-050-00 | Evaluation of the Tucannon endemic stock | Washington Department of Fish and Wildlife (WDFW) | \$246,520 |
| 2010-057-00 | B-run steelhead supplementation effectiveness research | Idaho Department of Fish and Game (IDFG), Nez Perce Tribe | \$491,109 |
| 2010-070-00 | WA Estuary MOA Project Scoping & Implementation | Washington Department of Fish and Wildlife (WDFW) | \$1,749,265 |
| 2010-072-00 | Lemhi River Restoration | National Oceanic and Atmospheric Administration | \$2,113,564 |
| 2010-073-00 | Columbia Land Trust Estuarine Restoration | National Oceanic and Atmospheric Administration | \$1,864,220 |
| 2010-075-00 | Upper Columbia Project-Scale Action Effectiveness Monitoring | National Oceanic and Atmospheric Administration | \$119,050 |
| 2010-076-00 | Characterizing migration and survival for juvenile Snake River sockeye salmon between the upper Salmon River basin and Lower Granite Dam | National Oceanic and Atmospheric Administration | \$45,354 |
| 2010-077-00 | Tucannon River Programmatic Habitat Project | Snake River Salmon Recovery Board | \$1,102,271 |
| 2010-086-00 | Protect and Restore the Crooked and American River Watersheds | Nez Perce Tribe | \$538,645 |
| 2010-088-00 | Upper and Lower Lemhi Acquisition/Easements | Idaho Office of Species Conservation | \$745,607 |
| 2011-006-00 | Columbia Habitat and Monitoring Program - (CHAMP) | National Oceanic and Atmospheric Administration | \$2,931,081 |
| 2011-008-00 | Technical Support for BiOp RM&E Coordinated Assessments | Tetra Tech, Inc. | \$128,993 |
| 2011-013-00 | USACE Cost Share for Section 408 Review and Section 536 support | US Army Corps of Engineers (COE) | \$1,336,841 |
| 2012-001-00 | AMIP Salmonid Life Cycle Model Support | National Oceanic and Atmospheric Administration | \$58,349 |
| 2012-013-00 | Snake River Fall Chinook Monitoring and Evaluation | Nez Perce Tribe, Washington Department of Fish and Wildlife (WDFW) | \$180,735 |
| 2012-015-00 | Cowlitz Indian Tribe Estuary Restoration Program | Cowlitz Indian Tribe | \$1,352,568 |
| 2016-001-00 | BPA Project Action Effectiveness Monitoring (AEM) Programmatic | Cramer Fish Sciences, Natural Systems Design | \$664,948 |

NOAA FY16 Contract Expenditures

FY16 NOAA contracts

By project

| Project Number | Project Title | Contract Number | Contract Title | Expenditures- FY16 |
|----------------|---|-----------------|--|-----------------------|
| 1983-319-00 | New Marking and Monitoring Technologies | 46273 REL 101 | 1983-319-00 EXP DEVELOP PIT TAG TECHNOLOGY | \$193,247 |
| 1983-319-00 | New Marking and Monitoring Technologies | 46273 REL 114 | 1983-319-00 EXP PIT TAG RESEARCH AND DEVELOPMENT | \$337,957 |
| 1988-053-03 | Hood River Production Monitoring and Evaluation (M&E)- Warm Springs | 46273 REL 89 | 1988-053-03 EXP PARKDALE NOAA COMPARATIVE HATCHERY STUDY | \$55,467 |
| 1988-053-03 | Hood River Production Monitoring and Evaluation (M&E)- Warm Springs | 46273 REL 106 | 1988-053-03 EXP PARKDALE NOAA COMPARATIVE HATCHERY STUDY | \$112,284 |
| 1989-096-00 | Genetic Monitoring and Evaluation (M&E) Program for Salmon and Steelhead | 46273 REL 115 | 1989-096-00 EXP GENETIC M&E PROG FOR SALMON/STEELHEAD | \$208,673 |
| 1989-096-00 | Genetic Monitoring and Evaluation (M&E) Program for Salmon and Steelhead | 46273 REL 102 | 1989-096-00 EXP GENETIC M&E PROG FOR SAL/STEEL | \$241,233 |
| 1991-028-00 | Pit Tagging Wild Chinook | 46273 REL 96 | 1991-028-00 EXP PIT TAGGING WILD CHINOOK | \$298,422 |
| 1991-028-00 | Pit Tagging Wild Chinook | 46273 REL 111 | 1991-028-00 EXP PIT TAGGING WILD CHINOOK | \$166,195 |
| 1993-029-00 | Survival Estimate for Passage through Snake and Columbia River Dams and Reservoirs | 46273 REL 94 | 1993-029-00 EXP SURVIVAL EST FOR PASSAGE THRU SNAKE & COLUMBIA | \$840,254 |
| 1993-029-00 | Survival Estimate for Passage through Snake and Columbia River Dams and Reservoirs | 46273 REL 116 | 1993-029-00 EXP SURVIVAL EST FOR PASSAGE THRU SNAKE/COLUMBIA | \$696,381 |
| 1993-056-00 | Advance Hatchery Reform Research | 46273 REL 117 | 1993-056-00 EXP NOAA ADVANCE HATCHERY REFORM RESEARCH | \$45,000 |
| 1993-056-00 | Advance Hatchery Reform Research | 46273 REL 103 | 1993-056-00 EXP NOAA - ADVANCE HATCHERY REFORM RESEARCH | \$348,517 |
| 1994-026-00 | Pacific Lamprey Research and Restoration Project | 46273 REL 93 | 1994-026-00 EXP NOAA LAMPREY RESEARCH AND RESTORATION | \$34,680 |
| 1994-026-00 | Pacific Lamprey Research and Restoration Project | 46273 REL 113 | 1994-026-00 EXP NOAA PACIFIC LAMPREY RESEARCH/RESTORATION PROJECT | \$61,198 |
| 1998-014-00 | Ocean Survival Of Salmonids | 46273 REL 90 | 1998-014-00 EXP OCEAN SURVIVAL OF SALMONIDS (NOAA) | \$217,886 |

NOAA FY16 Contract Expenditures

| | | | | |
|--------------|--|---------------|---|--------------------|
| 1998-014-00 | Ocean Survival Of Salmonids | 46273 REL 107 | 1998-014-00 EXP OCEAN SURVIVAL OF SALMONIDS (NOAA) | \$543,854 |
| 1998-014-00 | Ocean Survival Of Salmonids | None | None | -\$5,628 |
| 2002-031-00 | Growth Modulation in Salmon Supplementation | 46273 REL 118 | 2002-031-00 EXP GROWTH MOD - NOAA | \$60,000 |
| 2002-031-00 | Growth Modulation in Salmon Supplementation | 46273 REL 105 | 2002-031-00 EXP GROWTH MOD - NOAA | \$264,876 |
| 2002-032-00 | Snake River Fall Chinook Salmon Life History Investigations | 46273 REL 112 | 2002-032-00 EXP NOAA SNAKE RIVER FALL CHINOOK LIFE HISTORY | \$47,869 |
| 2002-032-00 | Snake River Fall Chinook Salmon Life History Investigations | 46273 REL 100 | 2002-032-00 EXP NOAA SNAKE R. FALL CHINOOK LIFE HISTORY | \$86,623 |
| 2003-017-00 | Integrated Status and Effectiveness Monitoring Program (ISEMP) | 46273 REL 88 | 2003-017-00 EXP ISEMP - NOAA FISHERIES COORDINATION - PROJ DESIGN | \$6,657 |
| 2003-017-00 | Integrated Status and Effectiveness Monitoring Program (ISEMP) | 46273 REL 119 | 2003-017-00 EXP ISEMP - NOAA FISHERIES COORDINATION - PROJ DESIGN | \$44,425 |
| 2003-017-00 | Integrated Status and Effectiveness Monitoring Program (ISEMP) | 46273 REL 104 | 2003-017-00 EXP ISEMP - NOAA FISHERIES COORDINATION - PROJ DESIGN | \$189,488 |
| 2003-039-00 | Monitor and Evaluate (M&E) Reproductive Success and Survival in Wenatchee River | 46273 REL 95 | 2003-039-00 EXP NOAA-MONITOR REPRO SS | \$121,966 |
| 2003-039-00 | Monitor and Evaluate (M&E) Reproductive Success and Survival in Wenatchee River | 46273 REL 110 | 2003-039-00 EXP NOAA-MONITOR REPRO SS | \$85,200 |
| 2005-002-00 | Lower Granite Dam Adult Trap Operations | 46273 REL 91 | 2005-002-00 EXP LWR GRANITE DAM ADULT TRAP | \$156,830 |
| 2005-002-00 | Lower Granite Dam Adult Trap Operations | 46273 REL 109 | 2005-002-00 EXP LWR GRANITE DAM ADULT TRAP IMPROV | \$253,260 |
| 2007-402-00 | Snake River Sockeye Captive Propagation | 46273 REL 92 | 2007-402-00 EXP NOAA SOCKEYE SALMON CAPTIVE BROOD | \$401,203 |
| 2007-402-00 | Snake River Sockeye Captive Propagation | 46273 REL 108 | 2007-402-00 EXP NOAA SOCKEYE SALMON CAPTIVE BROOD | \$647,392 |
| 2010-076-00 | Characterizing migration and survival for juvenile Snake River sockeye salmon between the upper Salmon River basin and Lower Granite Dam | 46273 REL 99 | 2010-076-00 EXP NOAA SNAKE R SOCKEYE MIGRATION/SURV STUDIES | \$35,245 |
| 2012-001-00 | AMIP Salmonid Life Cycle Model Support | 46273 REL 97 | 2012-001-00 EXP AMIP SALMONID LIFE CYCLE MODEL | \$58,349 |
| 2012-011-00 | Tributary Habitat RM&E BiOp Remand Support | 46273 REL 98 | 2012-011-00 EXP TRIB HABITAT RM&E BIOP REMAND SUPPORT | \$61,948 |
| Total | | | | \$6,916,950 |

**Bonneville Power Administration Fish and Wildlife
NOAA Contract Expenditures Fiscal Years 2012-2017**

By Project

| Project Name | Project Title | FY2012 | FY2013 | FY2014 | FY2015 | FY2016 | FY2017 |
|-------------------------------|--|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 1983-319-00 | New Marking and Monitoring Technologies | \$317,857 | \$739,459 | \$88,063.98 | \$835,241 | \$531,205 | \$855,532 |
| 1988-053-03 | Hood River Production Monitoring and Evaluation (M&E)-Warm Springs | \$265,517 | \$176,209 | \$123,315.14 | \$147,649 | \$167,751 | \$231,368 |
| 1988-115-35 | Klickitat River Design and Construction-Yakima/Klickitat Fisheries Project (YKFP) | \$51,034 | \$0 | \$0.00 | \$0 | \$0 | \$0 |
| 1989-096-00 | Genetic Monitoring and Evaluation (M&E) Program for Salmon and Steelhead | \$507,343 | \$326,560 | \$386,084.73 | \$436,729 | \$449,906 | \$360,346 |
| 1990-005-01 | Umatilla Basin Natural Production Monitoring and Evaluation (M&E) | \$41,548 | \$37,848 | \$14,710.29 | \$0 | \$0 | \$0 |
| 1991-028-00 | Pit Tagging Wild Chinook | \$502,999 | \$241,432 | \$442,730.91 | \$469,949 | \$464,617 | \$457,503 |
| 1993-029-00 | Survival Estimate for Passage through Snake and Columbia River Dams and Reservoirs | \$2,069,264 | \$1,410,177 | \$1,156,792.27 | \$1,705,000 | \$1,536,635 | \$1,659,430 |
| 1993-056-00 | Advance Hatchery Reform Research | \$439,536 | \$445,696 | \$411,572.36 | \$452,384 | \$393,517 | \$418,091 |
| 1994-026-00 | Pacific Lamprey Research and Restoration Project | \$57,555 | \$113,492 | \$96,285.72 | \$104,288 | \$95,877 | \$111,264 |
| 1998-014-00 | Ocean Survival Of Salmonids | \$1,314,061 | \$348,761 | \$659,450.25 | \$623,597 | \$756,112 | \$689,040 |
| 2000-031-00 | Enhance Habitat in the North Fork John Day River | \$0 | \$27,741 | \$0.00 | \$0 | \$0 | \$0 |
| 2001-003-00 | Adult PIT Detector Installation | \$241,452 | \$222,269 | \$105,449.28 | \$0 | \$0 | \$0 |
| 2002-031-00 | Growth Modulation in Salmon Supplementation | \$305,442 | \$334,262 | \$282,123.36 | \$289,479 | \$324,876 | \$377,645 |
| 2002-032-00 | Snake River Fall Chinook Salmon Life History Investigations | \$88,286 | \$57,791 | \$120,749.00 | \$118,196 | \$134,492 | \$135,144 |
| 2003-017-00 | Integrated Status and Effectiveness Monitoring Program (ISEMP) | \$447,284 | \$288,418 | \$195,699.29 | \$198,588 | \$240,570 | \$158,931 |
| 2003-039-00 | Monitor and Evaluate (M&E) Reproductive Success and Survival in Wenatchee River | \$205,262 | \$161,821 | \$191,749.54 | \$227,527 | \$207,165 | \$210,159 |
| 2003-041-00 | Evaluate Delayed (Extra) Mortality Associated with Passage of Yearling Chinook Salmon through Snake River Dams | \$183,210 | \$31,262 | \$100,568.97 | \$39,052 | \$0 | \$0 |
| 2005-002-00 | Lower Granite Dam Adult Trap Operations | \$289,647 | \$246,970 | \$292,027.63 | \$340,295 | \$410,089 | \$409,339 |
| 2007-402-00 | Snake River Sockeye Captive Propagation | \$1,590,615 | \$1,007,021 | \$1,148,613.10 | \$1,199,282 | \$1,048,594 | \$1,129,280 |
| 2007-404-00 | Spring Chinook Captive Propagation-Oregon | \$95,143 | \$0 | \$0.00 | \$0 | \$0 | \$0 |
| 2010-030-00 | Project to provided VSP Estimates for Yakima Steelhead MPG | \$1,924 | \$54,761 | \$12,188.37 | \$16,098 | \$0 | \$0 |
| 2010-076-00 | sockeye salmon between the upper Salmon River basin and Lower Granite Dam | \$1,011,941 | \$728,378 | \$747,178.95 | \$377,933 | \$35,245 | \$0 |
| 2012-001-00 | AMIP Salmonid Life Cycle Model Support | \$105,934 | \$158,502 | \$30,615.29 | \$41,651 | \$58,349 | \$36,799 |
| 2012-011-00 | Tributary Habitat RM&E BiOp Remand Support | \$93,819 | \$135,274 | \$217,184.18 | \$246,495 | \$61,948 | \$0 |
| Expenditures per Year: | | \$10,226,672 | \$7,294,105 | \$6,823,153 | \$7,869,433 | \$6,916,950 | \$7,239,871 |