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August 5, 2010

## MEMORANDUM

**TO:** Council Members

**FROM:** Lynn Palensky

**SUBJECT:** Status Report on the RM&E Categorical Review (no action required)

### Proposal Forms Status and Update

On June 1, 2010, the Council and Bonneville launched the RM&E/Artificial Production Category Review by sending an email announcement to project proponents associated with the projects in this category. The email, referred to as the "sponsor information packet" included instructions for submitting proposal forms into Taurus, the review schedule, level of reviews and other detailed information needs. The deadline for submitting proposals was midnight on July 30<sup>th</sup>. At the conclusion of the submittal period, the final review set includes 158 projects; 99 for full review and 59 for contextual review (see Attachment 1, or see the list at [cbfish.org](http://cbfish.org)).

### Next Steps

The proposals were sent to the Independent Scientific Review Panel (ISRP) on August 5, 2010. Staff is working to finalize the daily project presentation schedule. The dates and locations for the presentation are as follows: Sept 1-2 (Portland), Sept 7-9 (Pendleton), Sept 13 (Portland) and possibly Sept 16 (teleconference) as a make-up day. While the ISRP is reviewing projects, Council and Bonneville staff will be reviewing projects as well in preparation for the future recommendations for programmatic, project, and performance issues. The ISRP is due to complete their preliminary report on October 13<sup>th</sup>, 2010.

RM&E/AP Categorical Review - Final Review Set  
(by subcategory)

Number	Project Title	Proponent Orgs	Purpose	SubCategory
1998-014-00	Ocean Survival Of Salmonids	National Oceanic and Atmospheric	Programmatic	Ocean
2003-009-00	Canada-USA Shelf Salmon Survival Study	Canada Department Of Fisheries and	Programmatic	Ocean
2003-114-00	Pacific Ocean Survey Tracking (POST)	Kintama Research	Programmatic	Ocean
2003-007-00	Lower Columbia River Estuary Ecosystem Monitoring	Lower Columbia River Estuary Partnership	Habitat	Ocean - Estuary
1983-319-00	New Marking and Monitoring Technologies	National Oceanic and Atmospheric	Hydrosystem	Passage
2001-003-00	Adult PIT Detector Installation	National Oceanic and Atmospheric	Hydrosystem	Passage
2008-506-00	Smolt Monitoring Video Feasibility Project	Columbia River Inter-Tribal Fish	Programmatic	Passage
1990-080-00	Columbia Basin Pit-Tag Information	Pacific States Marine Fisheries	Programmatic	Passage
1994-033-00	Fish Passage Center	Pacific States Marine Fisheries	Programmatic	Passage
1987-127-00	Smolt Monitoring by Non-Federal Entities	Pacific States Marine Fisheries	Programmatic	Passage
1996-020-00	Comparative Survival Study (CSS)	Columbia Basin Fish and Wildlife Authority	Programmatic	Passage
1993-029-00	Survival Estimate for Passage through Snake and Columbia	National Oceanic and Atmospheric	Hydrosystem	Passage
2003-041-00	Evaluate Delayed (Extra) Mortality Associated with Passage of	National Oceanic and Atmospheric	Hydrosystem	Passage
2010-076-00	Characterizing migration and survival for juvenile Snake River	IDF&G, NOAA	Programmatic	Passage
1996-021-00	Gas Bubble Disease Monitoring	US Geological Survey (USGS)	Hydrosystem	Passage
1991-028-00	Pit Tagging Wild Chinook	National Oceanic and Atmospheric	Hydrosystem	Passage
1989-107-00	Statistical Support For Salmon	University of Washington	Programmatic	Passage
1991-051-00	Modeling and Evaluation Statistical Support for Life-Cycle	University of Washington	Programmatic	Passage
2008-518-00	Upstream Migration Timing	Columbia River Inter-Tribal Fish	Programmatic	Passage
2008-908-00	FCRPS Water Studies & Passage of Adult Salmon & Steelhead	Colville Confederated Tribes	Hydrosystem	Passage
1999-003-01	Evaluate Spawning of Fall Chinook and Chum Salmon Just	Oregon Department Of Fish and Wildlife	Habitat	Passage - life history
1991-029-00	Research, monitoring, and evaluation of emerging issues and	University of Idaho, US Fish and Wildlife	Programmatic	Passage - life history
2002-032-00	SNAKE RIVER FALL CHINOOK SALMON LIFE HISTORY INVESTIGATIONS	Pacific Northwest National Laboratory	Hydrosystem	Passage - life history
1999-020-00	Analyze Persistence and Dynamics in Chinook Redds	US Forest Service (USFS)	Programmatic	Passage - life history
2010-036-00	Lower Columbia Coded Wire Tag (CWT) Recovery Project	Washington Department of Fish and	Programmatic	CWT
1982-013-01	Coded Wire Tag-Pacific States Marine Fisheries Commission	Pacific States Marine Fisheries	Programmatic	Coded Wire Tag
1982-013-02	Coded Wire Tag-Oregon Department of Fish and Wildlife	Oregon Department Of Fish and Wildlife	Programmatic	Coded Wire Tag
1982-013-03	Coded Wire Tag-US Fish and Wildlife Service (USFWS)	US Fish and Wildlife Service (USFWS)	Programmatic	Coded Wire Tag
1982-013-04	Coded Wire Tag-Washington Department of Fish and Wildlife	Washington Department of Fish and	Programmatic	Coded Wire Tag
2008-502-00	Expanded Tribal Catch Sampling	Columbia River Inter-Tribal Fish	Harvest	Monitoring
2008-508-00	Power Anlys Catch Samplg Rates	Columbia River Inter-Tribal Fish	Harvest	Monitoring
2007-390-00	Tribal Conservation Enforcement-Umatilla Tribe	Umatilla Confederated Tribes (CTUIR)	Harvest	Enforcement
2007-391-00	Tribal Conservation Enforcement-Columbia River Inter-tribal	Columbia River Inter-Tribal Fish	Harvest	Enforcement
2008-106-00	Tribal Conservation Enforcement-Colville Tribe	Colville Confederated Tribes	Harvest	Enforcement
2002-060-00	Nez Perce Harvest Monitoring on Snake and Clearwater Rivers	Nez Perce Tribe	Harvest	Monitoring
2008-105-00	Selective Gear Deployment	Colville Confederated Tribes	Harvest	Columbia Cascade -
1997-024-00	Avian Predation on Juvenile Salmonids	Oregon State University	Predation	Predation - invasives
1990-077-00	Development of Systemwide Predator Control	Pacific States Marine Fisheries	Predation	Predation - invasives
2007-275-00	Impact of American Shad in the Columbia River	US Geological Survey (USGS)	Programmatic	Predation - invasives
2008-719-00	Research Non-Indigenous Actions	Oregon Department Of Fish and Wildlife	Predation	Predation - invasives

Shaded rows represent projects included in the contextual review.

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2008-004-00	Sea Lion Non-Lethal Hazing	Columbia River Inter-Tribal Fish	Predation	Predation - invasives
1994-026-00	Pacific Lamprey Research and Restoration Project	National Oceanic and Atmospheric	Programmatic	Lamprey
2008-524-00	Implement Tribal Pacific Lamprey Restoration Plan	Columbia River Inter-Tribal Fish	Hydrosystem	Lamprey
2002-016-00	Evaluate the Status of Pacific Lamprey in the Lower Deschutes	Confederated Tribes Of Warm Springs	Programmatic	Lamprey
2007-007-00	Determine Status and Limiting Factors of Pacific Lamprey in	Confederated Tribes Of Warm Springs	Programmatic	Lamprey
2008-308-00	Willamette Falls Lamprey Escapement Estimate	Confederated Tribes Of Warm Springs	Programmatic	Lamprey
2008-470-00	Yakama Nation Ceded Lands Lamprey Evaluation and	Yakama Confederated Tribes	Programmatic	Lamprey
2007-155-00	Develop a Master Plan for a Rearing Facility to Enhance	Columbia River Inter-Tribal Fish	Programmatic	Sturgeon
2008-504-00	Sturgeon Genetics	Columbia River Inter-Tribal Fish	Programmatic	Sturgeon
2008-455-00	Sturgeon Management	Yakama Confederated Tribes	Artificial Production	Sturgeon
1986-050-00	Evaluate Sturgeon Populations in the Lower Columbia River	Oregon Department Of Fish and Wildlife	Habitat	Sturgeon
2003-017-00	Integrated Status and Effectiveness Monitoring Program	National Oceanic and Atmospheric	Programmatic	Habitat - Action
2010-082-00	PNAMP Integrated Status and Trends Monitoring (ISTM)	ODFW, Oregon State University, USGS, W	Programmatic	Habitat - Action
1998-019-00	Wind River Watershed	Underwood Conservation District (UCD),	Habitat	Habitat - Action
2010-035-00	Abundance, Productivity and Life History of Fifteenmile Creek	Oregon Department Of Fish and Wildlife	Programmatic	Habitat - Action
1996-035-01	Yakama Reservation Watershed Project	Yakama Confederated Tribes	Habitat	Habitat - Action
2010-030-00	Project to provided VSP Estimates for Yakima Steelhead MPG	Yakama Confederated Tribes	Programmatic	Habitat - Action
2010-028-00	Implement a Rotating Panel Sampling of Small Steelhead	Washington Department of Fish and	Habitat	Habitat - Action
2010-042-00	Tucannon Expanded Pit Tagging	Washington Department of Fish and	Habitat	Habitat - Action
2002-053-00	Asotin Creek Salmon Population Assessment	Washington Department of Fish and	Habitat	Habitat - Action
2009-004-00	Monitoring Recovery Trends in Key Spring Chinook Habitat	Columbia River Inter-Tribal Fish	Habitat	Habitat - Action
2010-032-00	Imnaha River Steelhead Status Monitoring	Nez Perce Tribe	Programmatic	Habitat - Action
2002-068-00	Evaluate Stream Habitat- Nez Perce Tribe Watershed Monitoring	Nez Perce Tribe	Programmatic	Habitat - Action
2003-022-00	Okanogan Basin Monitoring & Evaluation Program (OBMEP)	Colville Confederated Tribes	Programmatic	Habitat - Action
2010-075-00	Upper Columbia Implementation and Action Effectiveness	Upper Columbia Salmon Recovery	Habitat	Habitat - Action
2009-002-00	Status and Trend Annual Reporting	Yakama Confederated Tribes	Programmatic	Habitat - Action
2010-034-00	Upper Columbia Spring Chinook and Steelhead Juvenile and	Washington Department of Fish and	Programmatic	Habitat - Action
2010-051-00	Upper Columbia Water Quality and Water Quantity Gauges	Cascadia Conservation District, Washington	Habitat	Habitat - Action
2007-252-00	Hyporheic Flow Assessment in Columbia River Tributaries	Umatilla Confederated Tribes (CTUIR)	Habitat	Habitat Research
2009-008-00	Climate Change Impacts	Columbia River Inter-Tribal Fish	Programmatic	Habitat Research
2002-013-01	Water Entity - Water Transaction Program	National Fish and Wildlife Foundation	Habitat	Water
2008-471-00	Upper Columbia Nutrient Supple	Yakama Confederated Tribes	Habitat	Nutrient
2008-904-00	Salmon River Basin Nutrient Enhancement	Shoshone-Bannock Tribes	Habitat	Nutrient
2007-332-00	Mitigation of Marine-Derived Nutrient Loss in Central Idaho	Idaho Department of Fish and Game (IDFG)	Habitat	Nutrient
2008-907-00	Genetic Assessment of Columbia River Stocks	Columbia River Inter-Tribal Fish	Programmatic	Genetics Salmon
2009-005-00	Influence of Environment and Landscape on Salmonid Genetics	Columbia River Inter-Tribal Fish	Programmatic	Genetics Salmon
2010-026-00	Chinook and Steelhead Genotyping for Genetic Stock	Idaho Department of Fish and Game	Programmatic	Genetics Salmon
2010-031-00	Snake River Chinook and Steelhead Parental Based Tagging	Idaho Department of Fish and Game (IDFG)	Programmatic	Genetics Salmon
1989-096-00	Genetic Monitoring and Evaluation (M&E) Program for Salmon	National Oceanic and Atmospheric	Artificial Production	Genetics Salmon
2002-030-00	Salmonid Progeny Markers	Umatilla Confederated Tribes (CTUIR)	Artificial Production	Genetics Salmon
2010-033-00	Study Reproductive Success of Hatchery and Natural Origin	Washington Department of Fish and	Artificial Production	RRS

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2003-039-00	Monitor and Evaluate (M&E) Reproductive Success and Survival	National Oceanic and Atmospheric	Artificial Production	Relat Repro Success
2003-050-00	Evaluate the Reproductive Success of Wild and Hatchery	University of Washington	Artificial Production	Relat Repro Success
2003-054-00	Evaluate the Relative Reproductive Success of Hatchery-Origin	Oregon State University	Artificial Production	Relat Repro Success
2003-063-00	Natural Reproductive Success and Demographic Effects of	US Fish and Wildlife Service (USFWS)	Artificial Production	Relat Repro Success
2007-299-00	Investigation of Relative Reproductive Success of Stray	Oregon Department Of Fish and Wildlife	Programmatic	Relat Repro Success
1993-056-00	Advance Hatchery Reform Research	National Oceanic and Atmospheric	Artificial Production	Basinwide AP
2009-009-00	Basinwide Supplementation Evaluation	Columbia River Inter-Tribal Fish	Artificial Production	Basinwide AP
2010-085-00	Columbia River Hatchery Effects Evaluation Team (CRHEET)	BPA, NOAA	Artificial Production	Basinwide AP
1997-038-00	Listed Stock Chinook Salmon Gamete Preservation	Nez Perce Tribe	Artificial Production	Basinwide AP
2002-031-00	Growth Modulation in Salmon Supplementation	National Oceanic and Atmospheric	Artificial Production	Basinwide AP
2010-057-00	B-run steelhead supplementation effectiveness research	Washington Department of Fish and Wildlife	Artificial Production	Basinwide AP
2008-710-00	Development of an Integrated strategy for Chum Salmon	Washington Department of Fish and	Artificial Production	Chum
2008-307-00	Deschutes River Sockeye Development	Confederated Tribes Of Warm Springs	Programmatic	Sockeye - Deschutes
2008-503-00	Studies into Factors Limiting the Abundance of Okanagan and	Columbia River Inter-Tribal Fish	Programmatic	Sockeye - Col Cascade
2007-402-00	Snake River Sockeye Captive Propagation	Idaho Department of Fish and Game	Artificial Production	Sockeye - Stanley Basin
2008-458-00	Steelhead Kelt Reconditioning	Yakama Confederated Tribes	Artificial Production	Kelt
2007-401-00	Kelt Reconditioning and Reproductive Success Evaluation	Columbia River Inter-Tribal Fish	Artificial Production	Kelt
1993-060-00	Select Area Fisheries Enhancement	Clatsop County Fisheries, Oregon	Artificial Production	SAFE
1988-053-03	Hood River Production Monitoring and Evaluation (M&E)-Warm	Confederated Tribes Of Warm Springs	Artificial Production	Hood
1988-053-07	Hood River Production Operations and Maintenance (O&M)-	Confederated Tribes Of Warm Springs	Artificial Production	Hood
1988-053-15	Hood River Artificial Production-Parkdale	Confederated Tribes Of Warm Springs,	Artificial Production	Hood
1988-053-04	Hood River Production Monitor and Evaluation (M&E)-Oregon	Oregon Department Of Fish and Wildlife	Artificial Production	Hood
1988-053-08	Hood River Production Operations and Maintenance (O&M) and	Oregon Department Of Fish and Wildlife	Artificial Production	Hood
2008-306-00	Deschutes River Fall Chinook Research and Monitoring	Confederated Tribes Of Warm Springs	Programmatic	Deschutes
2008-311-00	Natural Production Management and Monitoring	Confederated Tribes Of Warm Springs	Programmatic	Deschutes
1998-016-00	Escapement and Productivity of Spring Chinook and Steelhead	Oregon Department Of Fish and Wildlife	Habitat	John Day
2008-527-00	John Day Reprogramming & Construction	Columbia River Inter-Tribal Fish	Artificial Production	Mainstem-JohnDayDam
1983-435-00	Umatilla Hatchery Satellite Facilities Operations and	Umatilla Confederated Tribes (CTUIR)	Artificial Production	Umatilla
1989-035-00	Umatilla Hatchery Operations and Maintenance (O&M)	Oregon Department Of Fish and Wildlife	Artificial Production	Umatilla
1990-005-00	Umatilla Hatchery Monitoring and Evaluation (M&E)	Oregon Department Of Fish and Wildlife	Artificial Production	Umatilla
1990-005-01	Umatilla Basin Natural Production Monitoring and Evaluation	Umatilla Confederated Tribes (CTUIR)	Artificial Production	Umatilla
1989-024-01	Evaluate Umatilla Juvenile Salmonid Outmigration	Oregon Department Of Fish and Wildlife	Artificial Production	Umatilla
2008-203-00	Assess Reintroduction of Steelhead in Butte, McKay & Willow Cr	Umatilla Confederated Tribes (CTUIR)	Programmatic	Umatilla
2008-204-00	Assess Reintroduction of Anadromous Fish in Burnt, Powder &	Umatilla Confederated Tribes (CTUIR)	Artificial Production	Umatilla - Reintro
2009-014-00	Biomonitoring of Fish Habitat Enhancement	Umatilla Confederated Tribes (CTUIR)	Habitat	Umatilla
2000-038-00	Walla Walla River Hatchery Program	Umatilla Confederated Tribes (CTUIR)	Artificial Production	Walla Walla
2000-038-01	Walla Walla Hatchery - Expense	Umatilla Confederated Tribes (CTUIR)	Artificial Production	Walla Walla
2000-038-02	Walla Walla River Hatchery Operations and Maintenance	Umatilla Confederated Tribes (CTUIR)	Artificial Production	Walla Walla
2000-039-00	Walla Walla River Basin Monitoring and Evaluation (M&E)	Umatilla Confederated Tribes (CTUIR)	Programmatic	Walla Walla
1988-120-35	Klickitat River Management, Data and Habitat-Yakima/Klickitat	Yakama Confederated Tribes	Artificial Production	Klickitat
1995-063-35	Klickitat River Monitoring and Evaluation-Yakima/Klickitat	Yakama Confederated Tribes	Artificial Production	Klickitat

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1988-115-35	Klickitat River Design and Construction-Yakima/Klickitat	Yakama Confederated Tribes	Artificial Production	Klickitat
1997-013-35	Klickitat River Operations and Maintenance (O&M) for	Yakama Confederated Tribes	Artificial Production	Klickitat
1995-063-25	Yakima River Monitoring and Evaluation-Yakima/Klickitat	Yakama Confederated Tribes	Artificial Production	Yakima
1995-064-25	Policy, Plan and Technical Support of Washington Department	Washington Department of Fish and	Artificial Production	Yakima
1997-013-25	Yakima River Operations and Maintenance (O&M) for	Yakama Confederated Tribes	Artificial Production	Yakima
2007-156-00	Rock Creek Fish and Habitat Assessment	Yakama Confederated Tribes	Habitat	Yakima - Rock Creek
2010-050-00	Evaluation of the Tucannon endemic program	Washington Department of Fish and Wildlife	Artificial Production	Tucannon
1998-007-02	Grande Ronde Supplementation Operations and Maintenance	Nez Perce Tribe	Artificial Production	Blue Mountain
1988-053-01	Northeast Oregon Hatchery Master Plan	Nez Perce Tribe	Artificial Production	Blue Mountain
2007-132-00	NEOH Monitoring & Evaluation Implementation (Formerly a comp	Nez Perce Tribe	Artificial Production	Blue Mountain
1988-053-05	Northeast Oregon Outplanting Facilities	Oregon Department Of Fish and Wildlife	Artificial Production	Blue Mountain
1998-007-04	Grande Ronde Spring Chinook on Lostine/Catherine Creek/	Oregon Department Of Fish and Wildlife	Artificial Production	Blue Mountain
1998-007-03	Grande Ronde Supplementation O&M on Catherine	Umatilla Confederated Tribes (CTUIR)	Artificial Production	Blue Mountain
2007-083-00	Grande Ronde Supplementation Monitoring and Evaluation	Umatilla Confederated Tribes (CTUIR)	Artificial Production	Blue Mountain
1992-026-04	Grand Ronde Early Life History of Spring Chinook and	Oregon Department Of Fish and Wildlife	Artificial Production	Blue Mountain
2007-404-00	Spring Chinook Captive Propagation-Oregon	Oregon Department Of Fish and Wildlife	Artificial Production	Blue Mountain
1997-015-01	Imnaha River Smolt Monitoring	Nez Perce Tribe	Artificial Production	Blue Mountain
2010-038-00	Lolo Creek Permanent Weir Construction	Nez Perce Tribe	Artificial Production	Clearwater
2005-002-00	Lower Granite Dam Adult Trap Operations	National Oceanic and Atmospheric	Artificial Production	Clearwater
1998-010-04	Monitor and Evaluate (M&E) Performance of Juvenile Snake	Nez Perce Tribe	Artificial Production	Clearwater - FCAP
1998-010-05	Fall Chinook Acclimation Facilities on Snake/Clearwater Rivers	Nez Perce Tribe	Artificial Production	Clearwater - FCAP
1983-350-00	Nez Perce Tribal Hatchery Operations and Maintenance (O&M)	Nez Perce Tribe	Artificial Production	Clearwater
1983-350-03	Nez Perce Tribal Hatchery Monitoring and Evaluation (M&E)	Nez Perce Tribe	Artificial Production	Clearwater
2007-233-00	Distribution and Abundance Monitoring of Oncorhynchus mykiss	Nez Perce Tribe	Programmatic	Clearwater
1989-098-00	Salmon Studies in Idaho Rivers-Idaho Department of Fish and	Idaho Department of Fish and Game	Artificial Production	Idaho Supplem Stud
1990-055-00	Idaho Steelhead Monitoring and Evaluation (M&E) Studies	Idaho Department of Fish and Game	Artificial Production	Idaho Supplem Stud
1991-073-00	Idaho Natural Production Monitoring and Evaluation (M&E)	Idaho Department of Fish and Game	Artificial Production	Idaho Supplem Stud
1997-030-00	Chinook Salmon Adult Abundance Monitoring	Nez Perce Tribe	Artificial Production	Idaho Supplem Stud
1996-043-00	Johnson Creek Artificial Propagation Enhancement	Nez Perce Tribe	Artificial Production	ISS - JCAPE
2007-403-00	Spring Chinook Captive Propagation-Idaho	Idaho Department of Fish and Game	Artificial Production	ISS - Captive
2008-905-00	Supplementation Projects	Shoshone-Bannock Tribes	Artificial Production	Salmon R.
2008-906-00	Crystal Springs Planning and Operations/Maintenance	Shoshone-Bannock Tribes	Artificial Production	Salmon R.
1996-040-00	Mid-Columbia Reintroduction Feasibility Study	Yakama Confederated Tribes	Artificial Production	Columbia Cascade
2009-001-00	Expanded Multi-Species Acclimation in the Wenatchee/Methow	Yakama Confederated Tribes	Artificial Production	Columbia Cascade -
2003-023-00	Chief Joseph Hatchery Program	Colville Confederated Tribes	Artificial Production	Columbia Cascade -
2007-212-00	Okanogan Basin Locally Adapted Steelhead Broodstock Step 1	Colville Confederated Tribes	Artificial Production	Columbia Cascade