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November 6, 2018

### MEMORANDUM

**TO:** Fish and Wildlife Committee members

**FROM:** Lynn Palensky

**SUBJECT:** Announcing the start of Mainstem/Program Support Category Review – November 2018

### BACKGROUND:

**Presenter:** Lynn Palensky

**Summary:** Begin Mainstem/Program Support Category Review process

**Relevance:** Section 4h(10)(D) of the Northwest Power Act directs the Council to review projects proposed for funding by Bonneville to implement the Council's Fish and Wildlife Program. The Council engages in this review with the assistance of the Independent Scientific Review Panel (ISRP). The Council and Bonneville work together to develop the information necessary to make the review process successful.

**Workplan:** This work implements the Program's Implementation and Investment Strategies (Part Six) and most other parts of the program through the evaluation of strategy implementation.

**Background:** The ISRP was created by the 1996 amendment to the Northwest Power Act. The ISRP reviews projects in the context of the Council's Program and regarding whether they (1) are based on sound science principles; (2) benefit fish and wildlife; (3) have clearly defined objectives and outcomes; and (4) have provisions for monitoring and evaluation of results. The Council uses the ISRP review as a basis for making project recommendations to Bonneville. In doing so, the Council explains in writing its reasons for not accepting ISRP recommendations, considers the impact of ocean

conditions on fish and wildlife populations, and determines whether the projects employ cost-effective measures to achieve program objectives.

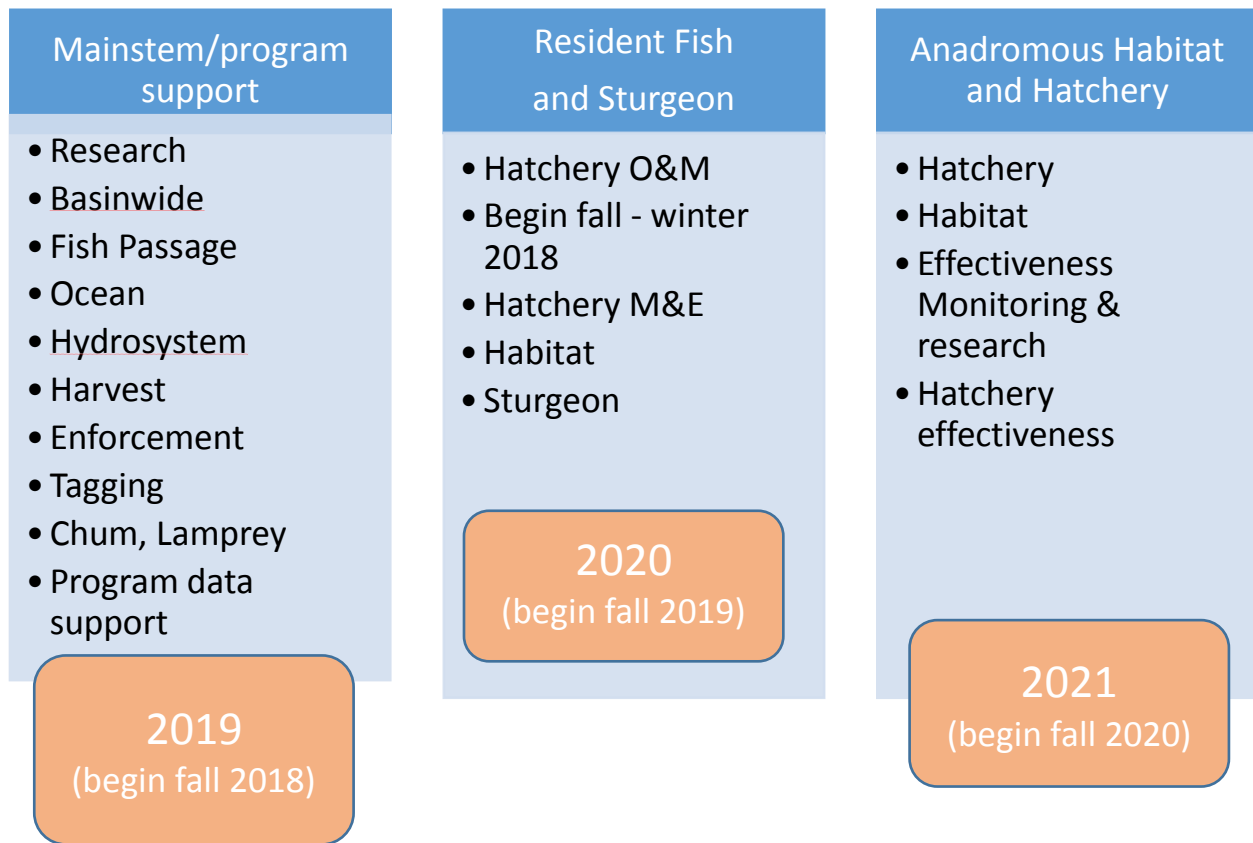
In 2017, the Council initiated its second series of Category Reviews beginning with a review of all the Wildlife projects. At the July 2018 Council meeting, the Fish and Wildlife Committee agreed to move forward with a three-year science review schedule for all remaining projects and discussed the overall approach (see [detailed schedule](#) below). The schedule reflects the order for the three category reviews, accounting for field season, public comment period, and time necessary based on the number of projects within each category.

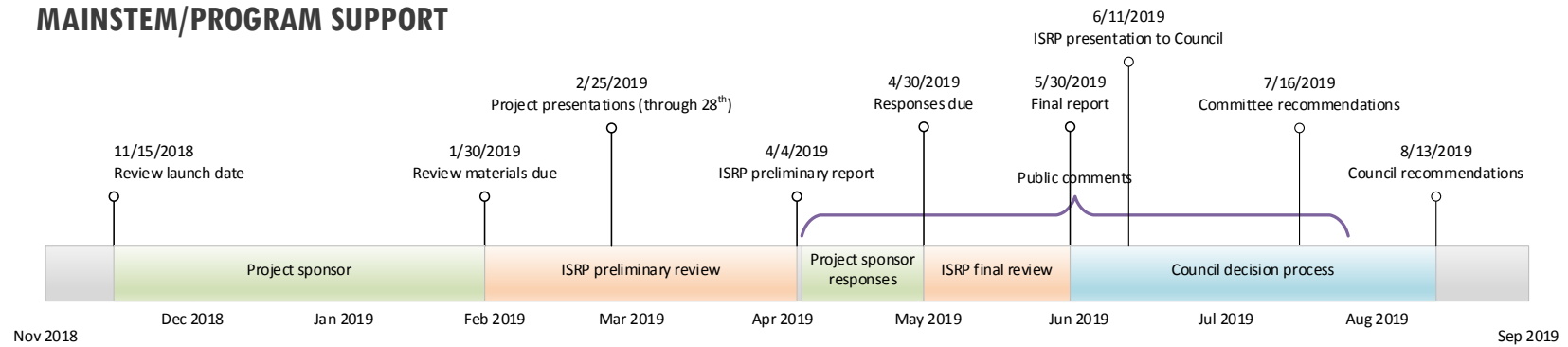
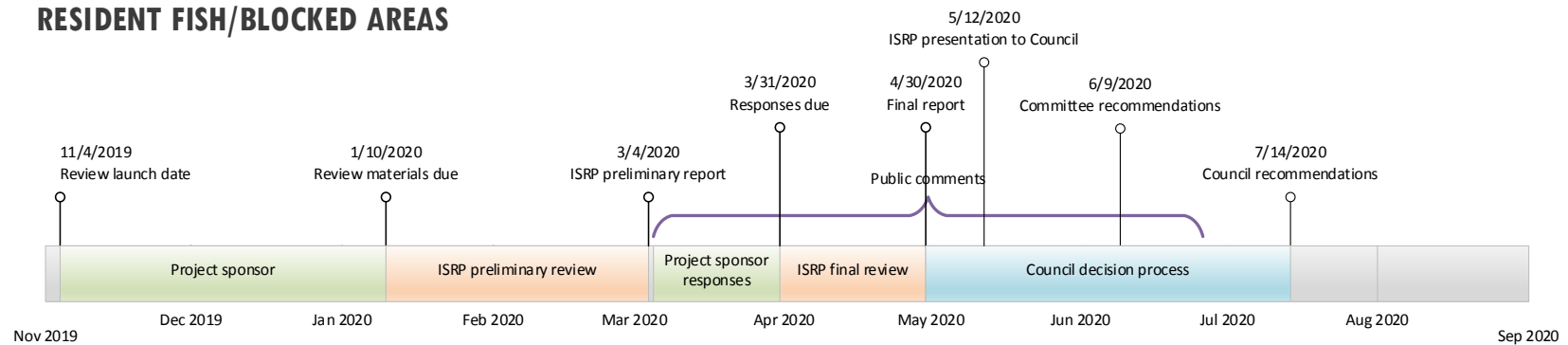
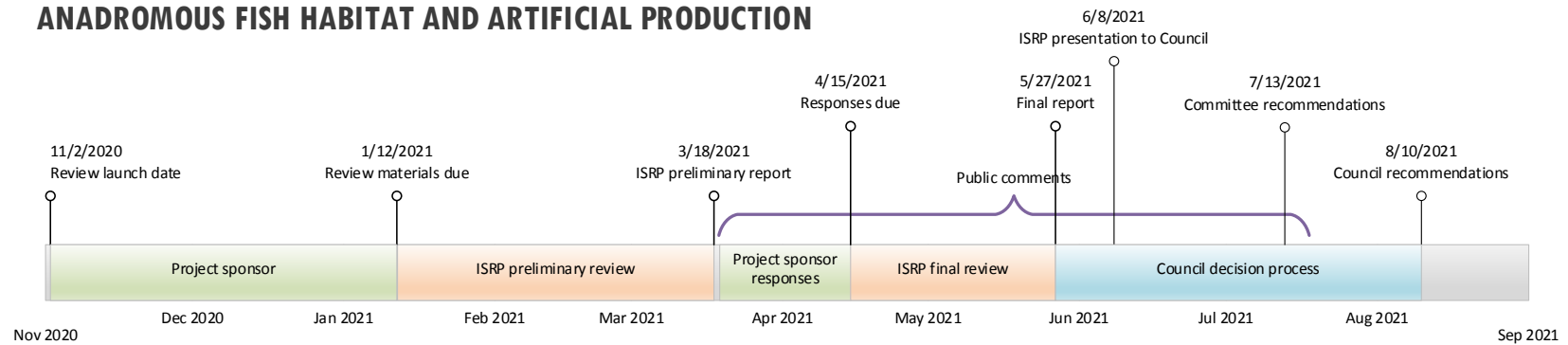
The Mainstem/Program Support Category is the second of four reviews, and it begins this month (please see the [schedule](#) for the three upcoming reviews below). The entire review process for each category generally takes about ten months. For the upcoming three review categories (see Figure 1), Council staff developed a [list](#) of the current ~275 Program projects that are likely to be included in the remaining three categories and shared it with sponsors on November 2. We shared the list to allow sponsors and managers to confirm that their projects are listed in the correct category and to prepare and plan for the upcoming reviews.

There are approximately 50 projects included in the Mainstem/Program Support category review (see attached [list](#)). These projects are generally focused on mainstem and mainstem passage; conduct research that is basin-wide in nature and/or are informative to the Basin as a whole; focus on a single-species; help support or inform other program areas through collecting, managing, and or analyzing data from monitoring or research projects; and have broad use, applicability, and accessibility. The review is limited to existing projects and new Accord projects that have yet to complete a formal proposal form for Council recommendations. This is not a solicitation for new work; however, sponsors of existing projects may describe new work elements, phases, or new objectives for their projects based on adaptive management and new priorities, within the organization's existing portfolio of projects. Most projects in this category were last reviewed in the 2010-2011 Research, Monitoring and Evaluation and Artificial Production review, and their Council recommendation has expired.

An information and instruction packet for the Mainstem/Program Support review will be emailed to the project sponsors after the November Council meeting. Sponsors can begin updating their proposals on November 18, 2018. The deadline for proposal updates is January 30, 2019. Council recommendations for this review category are anticipated in August/September of 2019. The ISRP will be reviewing the projects about the same time as the Council is developing its draft Program. During the review, the Council will be looking to see how the proposed work is consistent with priorities set forth by the fish and wildlife managers' in their Program amendment recommendations.

Figure 1.



**MAINSTEM/PROGRAM SUPPORT****RESIDENT FISH/BLOCKED AREAS****ANADROMOUS FISH HABITAT AND ARTIFICIAL PRODUCTION**

<b>Project Number</b>	<b>Title</b>	<b>2019-2021 Review</b>	<b>Sponsors</b>
1982-013-01	Coded Wire-Tag Pacific States Marine Fisheries Comr	Mainstem/Program Support	Pacific States Marine Fisheries Commission
1982-013-03	Coded Wire Tag US Fish and Wildlife Service (USFWS)	Mainstem/Program Support	US Fish and Wildlife Service (USFWS)
1983-319-00	New Marking and Monitoring Technologies	Mainstem/Program Support	National Oceanic and Atmospheric Administration
1987-127-00	Smolt Monitoring by Non-Federal Entities	Mainstem/Program Support	Fish Passage Center, Pacific States Marine Fisheries Commission
1988-108-04	StreamNet - Coordinated Information System (CIS)/ N	Mainstem/Program Support	Pacific States Marine Fisheries Commission
1989-096-00	Genetic Monitoring and Evaluation (M&E) Program for	Mainstem/Program Support	National Oceanic and Atmospheric Administration
1989-107-00	Statistical Support For Salmon	Mainstem/Program Support	University of Washington
1990-077-00	Development of Systemwide Predator Control	Mainstem/Program Support	Pacific States Marine Fisheries Commission
1990-080-00	Columbia Basin Pit-Tag Information	Mainstem/Program Support	Pacific States Marine Fisheries Commission
1991-029-00	Research, monitoring, and evaluation of emerging issu	Mainstem/Program Support	University of Idaho, US Fish and Wildlife Service (USFWS), US Geological Survey (USGS)
1991-051-00	Modeling and Evaluation Statistical Support for Life-Cy	Mainstem/Program Support	University of Washington
1993-029-00	Survival Estimate for Passage through Snake and Colu	Mainstem/Program Support	National Oceanic and Atmospheric Administration
1993-056-00	Advance Hatchery Reform Research	Mainstem/Program Support	National Oceanic and Atmospheric Administration
1994-026-00	Pacific Lamprey Research and Restoration Project	Mainstem/Program Support	National Oceanic and Atmospheric Administration, Umatilla Confederated Tribes (CTUIR)
1994-033-00	Fish Passage Center	Mainstem/Program Support	Fish Passage Center, Pacific States Marine Fisheries Commission
1996-019-00	Data Access in Real Time (DART)	Mainstem/Program Support	University of Washington
1996-020-00	Comparative Survival Study (CSS)	Mainstem/Program Support	Columbia Basin Fish and Wildlife Foundation, Fish Passage Center, Pacific States Marine Fisheries Commission, US Fish and Wildlife Service (USFWS)
1997-024-00	Avian Predation on Juvenile Salmonids	Mainstem/Program Support	Oregon State University, Real Time Research
1998-004-01	Columbia Basin Bulletin	Mainstem/Program Support	Intermountain Communications

1998-014-00	Ocean Survival Of Salmonids	Mainstem/Program Support	National Oceanic and Atmospheric Administration
1999-003-01	Evaluate Spawning of Fall Chinook and Chum Salmon	Mainstem/Program Support	Oregon Department of Fish and Wildlife, PNNL, Pacific States Marine Fisheries Commission, Washington Department of
2002-013-01	Water Entity - CBWTP	Mainstem/Program Support	National Fish and Wildlife Foundation
2002-031-00	Growth Modulation in Salmon Supplementation	Mainstem/Program Support	National Oceanic and Atmospheric Administration, University of Washington
2002-032-00	Snake River Fall Chinook Salmon Life History Investigat	Mainstem/Program Support	US Geological Survey (USGS), University of Idaho, NOAA
2002-037-00	Freshwater Mussel Research and Restoration	Mainstem/Program Support	Umatilla Confederated Tribes (CTUIR)
2004-002-00	Pacific Northwest Aquatic Monitoring Program (PNAM)	Mainstem/Program Support	US Geological Survey (USGS)
2005-002-00	Lower Granite Dam Adult Trap Operations	Mainstem/Program Support	National Oceanic and Atmospheric Administration
2007-252-00	Hyporheic Flow Assessment in Columbia River Tributaries	Mainstem/Program Support	Umatilla Confederated Tribes (CTUIR)
2007-390-00	Tribal Conservation Enforcement-Umatilla Tribe	Mainstem/Program Support	Umatilla Confederated Tribes (CTUIR)
2007-391-00	Tribal Conservation Enforcement-Columbia River Inter	Mainstem/Program Support	Columbia River Inter-Tribal Fish Commission (CRITFC)
2008-004-00	Sea Lion Non-Lethal Hazing	Mainstem/Program Support	Columbia River Inter-Tribal Fish Commission (CRITFC)
2008-105-00	Selective Gear Deployment	Mainstem/Program Support	Colville Confederated Tribes
2008-106-00	Tribal Conservation Enforcement-Colville Tribe	Mainstem/Program Support	Colville Confederated Tribes
2008-308-00	Willamette Falls Lamprey Escapement Estimate	Mainstem/Program Support	Confederated Tribes of Warm Springs
2008-470-00	Yakama Nation Ceded Lands Lamprey Evaluation and	Mainstem/Program Support	Yakama Confederated Tribes
2008-502-00	Expanded Tribal Catch Sampling	Mainstem/Program Support	Columbia River Inter-Tribal Fish Commission (CRITFC)
2008-505-00	StreamNet Regional Library	Mainstem/Program Support	Columbia River Inter-Tribal Fish Commission, IDFG, MFWP, NPCC, ODFW, PSMFC, USFWS, WDFW
2008-507-00	CRITFC Inter-Tribal Monitoring Data	Mainstem/Program Support	Columbia River Inter-Tribal Fish Commission (CRITFC)
2008-518-00	Upstream Migration Timing	Mainstem/Program Support	Columbia River Inter-Tribal Fish Commission (CRITFC)
2008-524-00	Implement Tribal Pacific Lamprey Restoration Plan	Mainstem/Program Support	Columbia River Inter-Tribal Fish Commission (CRITFC)

2008-527-00	Zone 6 Fisheries CRITFC Accord project	Mainstem/Program Support	Columbia River Inter-Tribal Fish Commission (CRITFC)
2008-710-00	Chum Salmon Restoration in the tributaries below Bon	Mainstem/Program Support	Washington Department of Fish and Wildlife (WDFW)
2009-008-00	Climate Change Impacts	Mainstem/Program Support	Columbia River Inter-Tribal Fish Commission (CRITFC)
2010-036-00	Lower Columbia Coded Wire Tag (CWT) Recovery Pro	Mainstem/Program Support	Washington Department of Fish and Wildlife (WDFW)
2011-014-00	Evaluate Status & Limiting Factors of Pacific Lamprey	Mainstem/Program Support	Confederated Tribes of Warm Springs
2011-020-00	Data Management Project	Mainstem/Program Support	Kalispel Tribe
2016-001-00	BPA Project Action Effectiveness Monitoring (AEM) Pr	Mainstem/Program Support	Cramer Fish Sciences, Natural Systems Design
2017-003-00	Yakama Action Effectiveness Monitoring	Mainstem/Program Support	Yakama Confederated Tribes
2018-002-00	Integrated In-stream PIT tag Detection System Operati	Mainstem/Program Support	Quantitative Consultants Inc
2017-005-00	Lamprey Conservation Initiative	Mainstem/Program Support	PSMFC and USFWS
2019-003-00	Petit Lake Sockeye Weir	Mainstem/Program Support	shoshone Bannock
2019-004-00	Conservation Enforcement	Mainstem/Program Support	Yakama Confederated Tribes