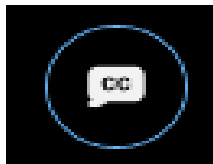


Webex Accessibility tools

To enable Closed Captions

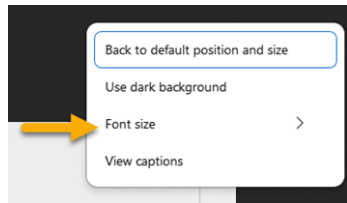
Select the **CC icon** in the lower-left of the WebEx screen



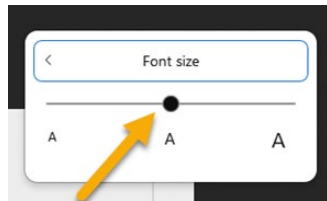
Note: CC is set individually by each person who wants to enable them.

Change font size

Select the **ellipsis** in the lower right



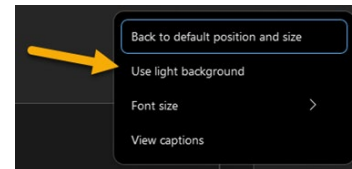
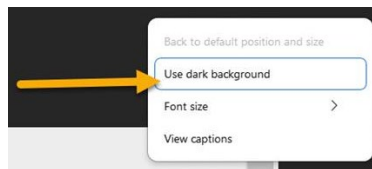
Select **font size**



Use the slider to select the desired size

Change background contrast

1. Select the **ellipsis** in the lower right
2. Select the **dark or light background**



Safety Moment

- The Rates Hearing Room has two exits.
- In the event an alarm sounds, please meet at Holladay Park across the street.





BP-26 INTEGRATED PROGRAM REVIEW

Environment, Fish & Wildlife

June 28, 2024





INTRODUCTIONS

Dorie Welch

Deputy Vice President for Environment, Fish and
Wildlife



Agenda

Topic	Minutes	Presenter
Environment, Fish & Wildlife Overview	15	Dorie Welch
Fish & Wildlife Program Overview	15	Jason Sweet
Environment, Fish & Wildlife Expense	10	Rodrigo George
Environment, Fish & Wildlife Capital	10	Rodrigo George
Question and Answer	10	Dorie Welch



ENVIRONMENT, FISH & WILDLIFE OVERVIEW

Dorie Welch

Deputy Vice President for Environment, Fish and
Wildlife



EFW Mission

Mitigate for the effects to fish and wildlife of construction and operation of the Federal Columbia River Power System, as well as assure compliance with applicable environmental laws and regulations



Invest in people



Enhance the
value of products
and services



Sustain financial
strength



Mature asset
management



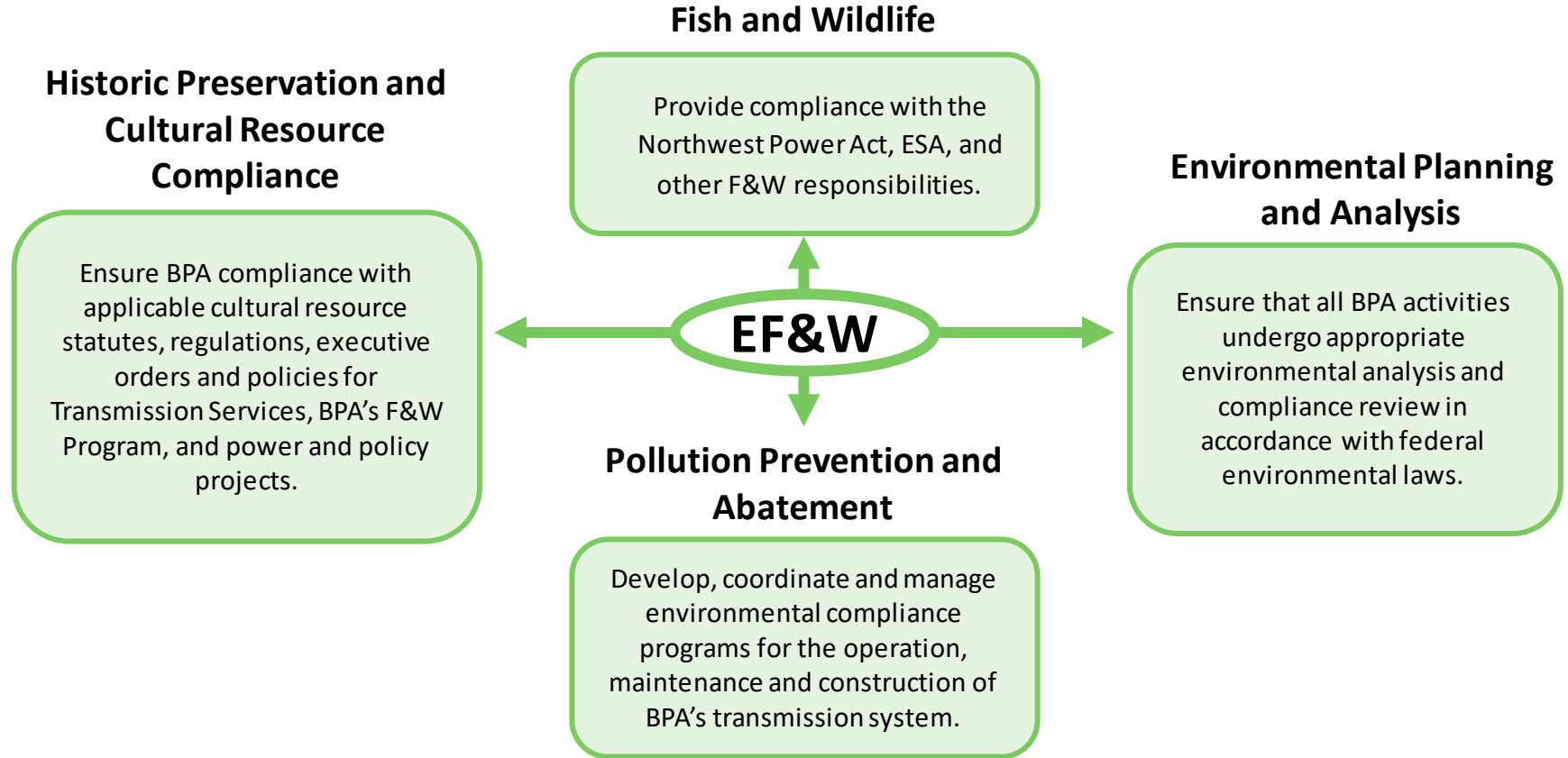
Preserve safe,
reliable system
operations



Modernize
business systems
and processes

Legal Context

<p>Pacific Northwest Electric Power Planning and Conservation Act</p>	<ul style="list-style-type: none"> • Protect, mitigate and enhance fish and wildlife, including related spawning grounds and habitat, on the Columbia River and its tributaries. • Equitable treatment of F&W with other purposes. • Consistency with the Columbia Basin F&W program.
<p>Endangered Species Act</p>	<ul style="list-style-type: none"> • Avoiding jeopardy to listed fish and wildlife. • Avoiding adverse modification of critical habitat. • Biological Opinions.
<p>Tribal treaty and trust responsibilities</p>	<ul style="list-style-type: none"> • The right to take fish at usual and accustomed places. • Government-to-government consultations.
<p>Clean Water Act</p>	<ul style="list-style-type: none"> • Comply with applicable water quality standards to the extent practicable.
<p>Resource Conservation & Recovery Act</p>	<ul style="list-style-type: none"> • Ensuring the management of waste in an environmentally sound manner.
<p>National Environmental Policy Act</p>	<ul style="list-style-type: none"> • Assess major federal actions that may significantly affect the environment.
<p>National Historic Preservation Act</p>	<ul style="list-style-type: none"> • Assess federal undertakings that may adversely affect historic and cultural resources.



Environmental Planning & Analysis in Action



Historic Preservation & Cultural Resource Compliance in Action



Pollution Prevention & Abatement in Action



BP-26 IPR Objectives

- **Environmental Planning and Analysis**
 - Continue to identify the appropriate environmental planning and analysis services across BPA
- **Historic Preservation and Cultural Resource Compliance**
 - Continue to identify the appropriate cultural resource strategies for new and ongoing work
 - Ensure adequate support for increasing workloads, such as access road maintenance and wood pole replacement
 - Support negotiations for renewal of the FCRPS Systemwide Programmatic Agreement, which expires in 2029
- **Pollution Prevention and Abatement**
 - Work to reduce PCBs across BPA's Transmission system
 - Ensure storm water discharges meet all federal and state standards
 - Protect human health and the natural environment from improper waste management/disposal



FISH & WILDLIFE PROGRAM OVERVIEW

Jason Sweet

Executive Manager, Fish & Wildlife Program

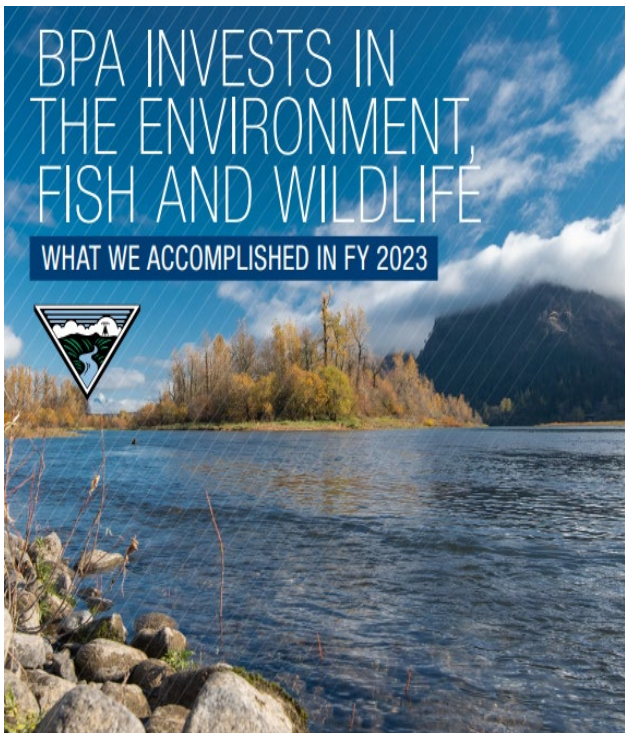


Financial components of BPA's F&W Actions

- **Fish and Wildlife Program** – BPA's F&W program is a legal compliance program. It funds several hundred mitigation projects to support compliance with applicable laws, including the Northwest Power Act and Endangered Species Act.
- **Debt service** – The projected amortization, depreciation and interest payments for investments directly funded through BPA borrowing, as well as capital investments by the Corps and Reclamation that are funded by the U.S. Treasury and reimbursed by BPA.
- **Fish-related O&M** (“reimbursable expenses”) – The hydroelectric share of operations and maintenance and other non-capital expenditures for fish and wildlife activities by the Corps and Reclamation (i.e., O&M of fish facilities at the federal mainstem dams and Corps/Reclamation mitigation hatcheries), and U.S. Fish & Wildlife Service (for hatcheries under the Lower Snake River Compensation Plan – 11 hatcheries and 18 satellite facilities).
- **River operations** – The power production effects of river operations for fish.



Fish & Wildlife in Action



Since 2005¹, Bonneville's Fish & Wildlife Program has provided the following benefits to the environment, fish and wildlife in the Pacific Northwest

¹ Bonneville established the interactive web portal chickr.org to "provide the public with an unprecedented view into Bonneville Power Administration's implementation of the Columbia Basin Fish & Wildlife program, which spans across a four-state region and is the largest environmental program of its kind in the world. Scope of this site includes project proposals from fiscal year 2007 forward, and budget adjustments from 2014 forward."



ACRES OF HABITAT

Improved more than 954,000 acres of habitat, an area equivalent to more than 9 times the size of the city of Seattle.



LAND FOR WILDLIFE

Protected more than 1.2M acres of land for wildlife and conservation, an area equivalent to nearly twice the size of Shasta National Forest.



ACRES FOR WILDLIFE

48,000+ acres protected for wildlife as focal species. An area equivalent to about twice the size of Eugene, Oregon.



ESTURAY FLOODPLAIN

Restored or protected nearly 17,000 acres of estuary floodplain, an area equivalent to more than 10 times larger than Boise's Anna Merriam Park.

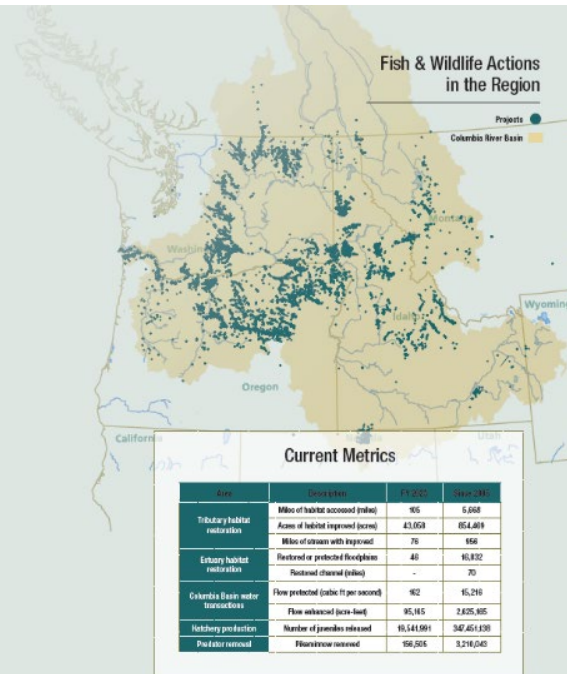


ESTURAY TIDAL CHANNELS

Enhanced or restored 70 miles of estuarine tidal channels. A length equivalent to longer than the driving distance between Portland and Hood River.



11 HATCHERIES BUILT

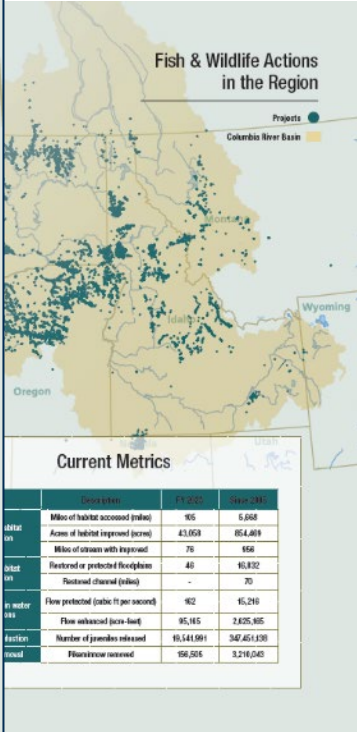


Fish & Wildlife in Action

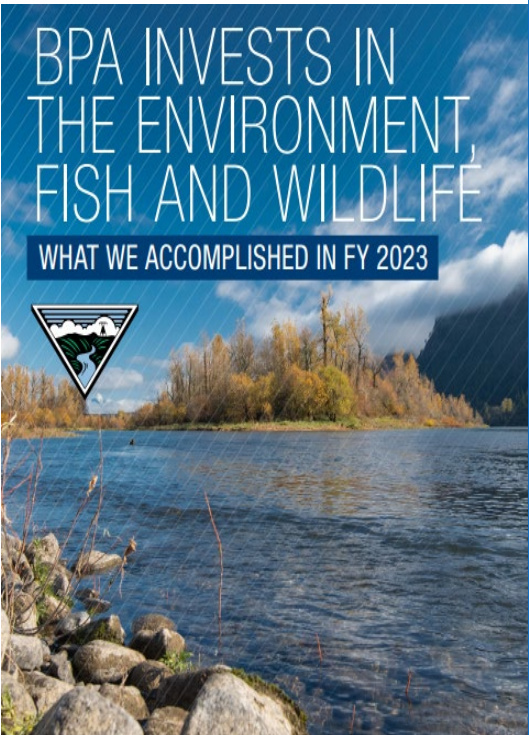


Current Metrics

AREA	DESCRIPTION	FY 2023	SINCE 2005
Tributary habitat restoration	Miles of habitat accessed	105	5,668
	Acres of habitat improved	43,058	854,469
	Miles of stream with improved complexity	76	956
Estuary habitat restoration	Restored or protected floodplains (acres)	46	16,832
	Restored channel (miles)	-	70
Columbia Basin water transactions	Flow protected (cubic ft per second)	162	15,216
	Flow enhanced (acre-feet)	95,165	2,625,165
Hatchery production	Number of juveniles released	19,541,991	347,451,138
Predator removal	Pikeminnow removed	156,505	3,210,043



Fish & Wildlife in Action



BPA INVESTS IN THE ENVIRONMENT, FISH AND WILDLIFE

WHAT WE ACCOMPLISHED IN FY 2023



ACRES OF HABITAT

Improved more than 854,000 acres of habitat, an area equivalent to more than 9 times the size of the city of Seattle.



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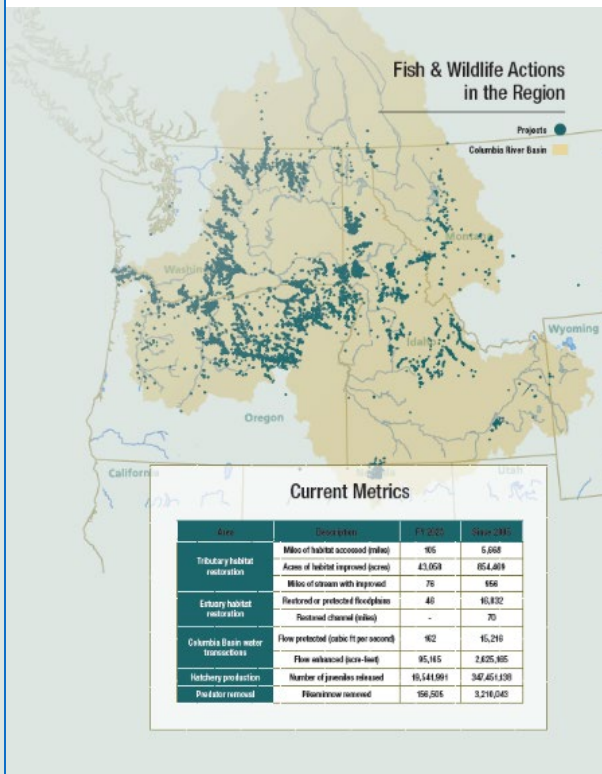


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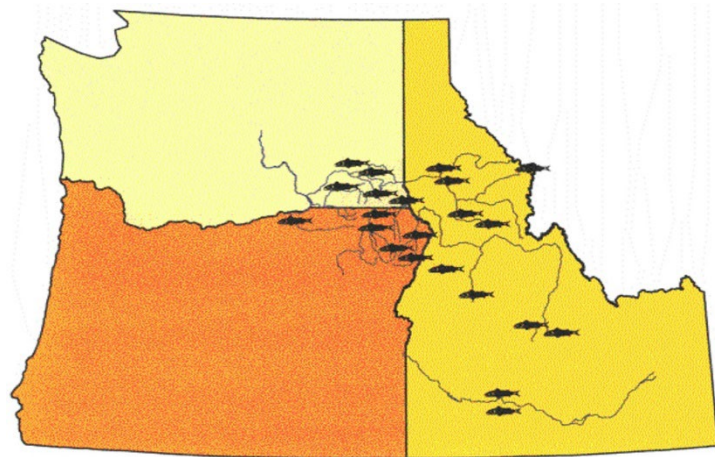


Lower Snake River Compensation Plan (LSRCP), *USFWS Direct Funding*

LSRCP HATCHERIES & STOCKS BENEFITTED

	Spring Chinook	Summer Chinook	Fall Chinook	Steelhead	Rainbow Trout
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Oregon	Lookingglass Hatchery ▪ Wallowa Hatchery ▪ Irrigon Hatchery				
Washington	Lyons Ferry Hatchery ▪ Tucannon Hatchery				
Idaho	Clearwater Hatchery ▪ Magic Valley Hatchery ▪ Hagerman National Fish Hatchery McCall Hatchery ▪ Sawtooth Hatchery ▪ Dworshak National Fish Hatchery				



BP-26 IPR Objectives – F&W and LSRCP

- **Fish & Wildlife**

- Prioritize and implement projects that directly benefit fish and wildlife in a cost-effective manner by working collaboratively with the Council, states, tribes and other partners
- Continue focus on asset management
- Continue to implement actions to fulfill ESA responsibilities
- Continue fulfilling commitments through new and existing agreements

- **LSRCP**

- Continue to provide direct funding for O&M and M&E



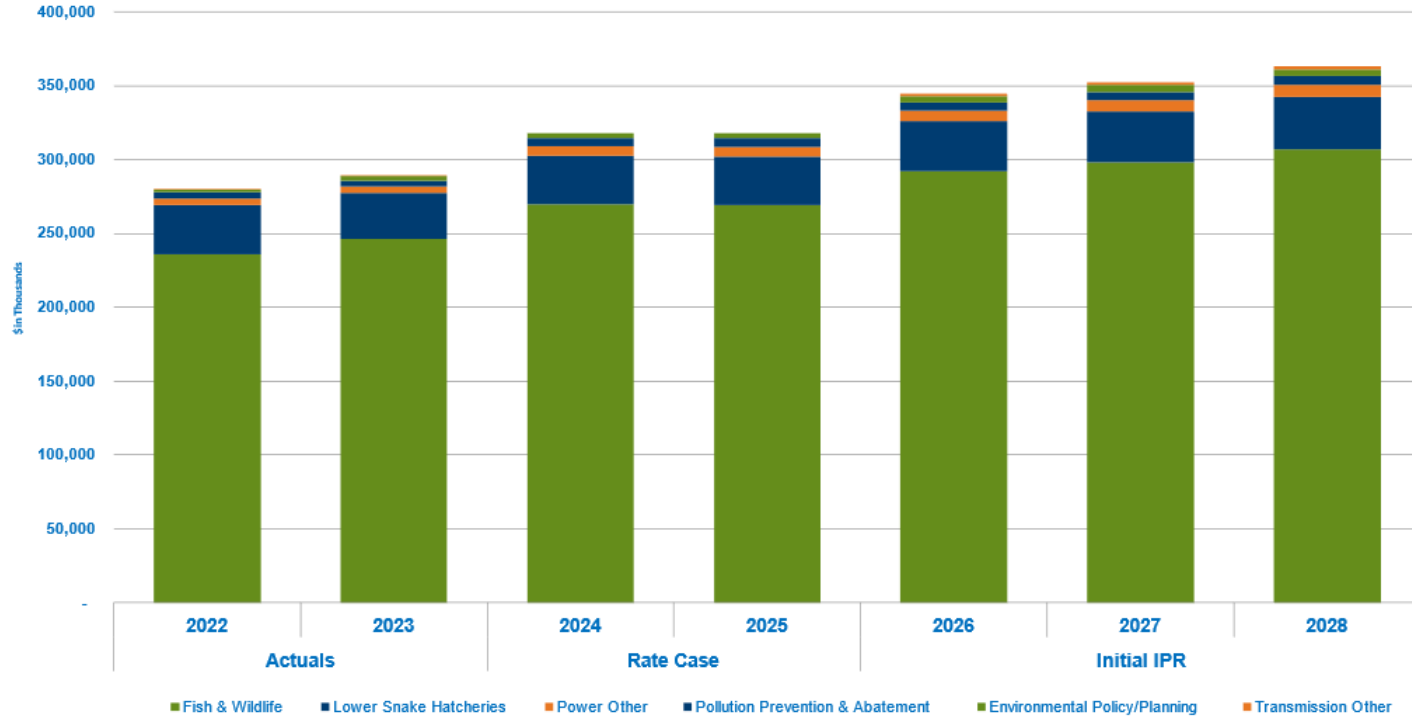
ENVIRONMENT, FISH & WILDLIFE EXPENSE

Rodrigo George

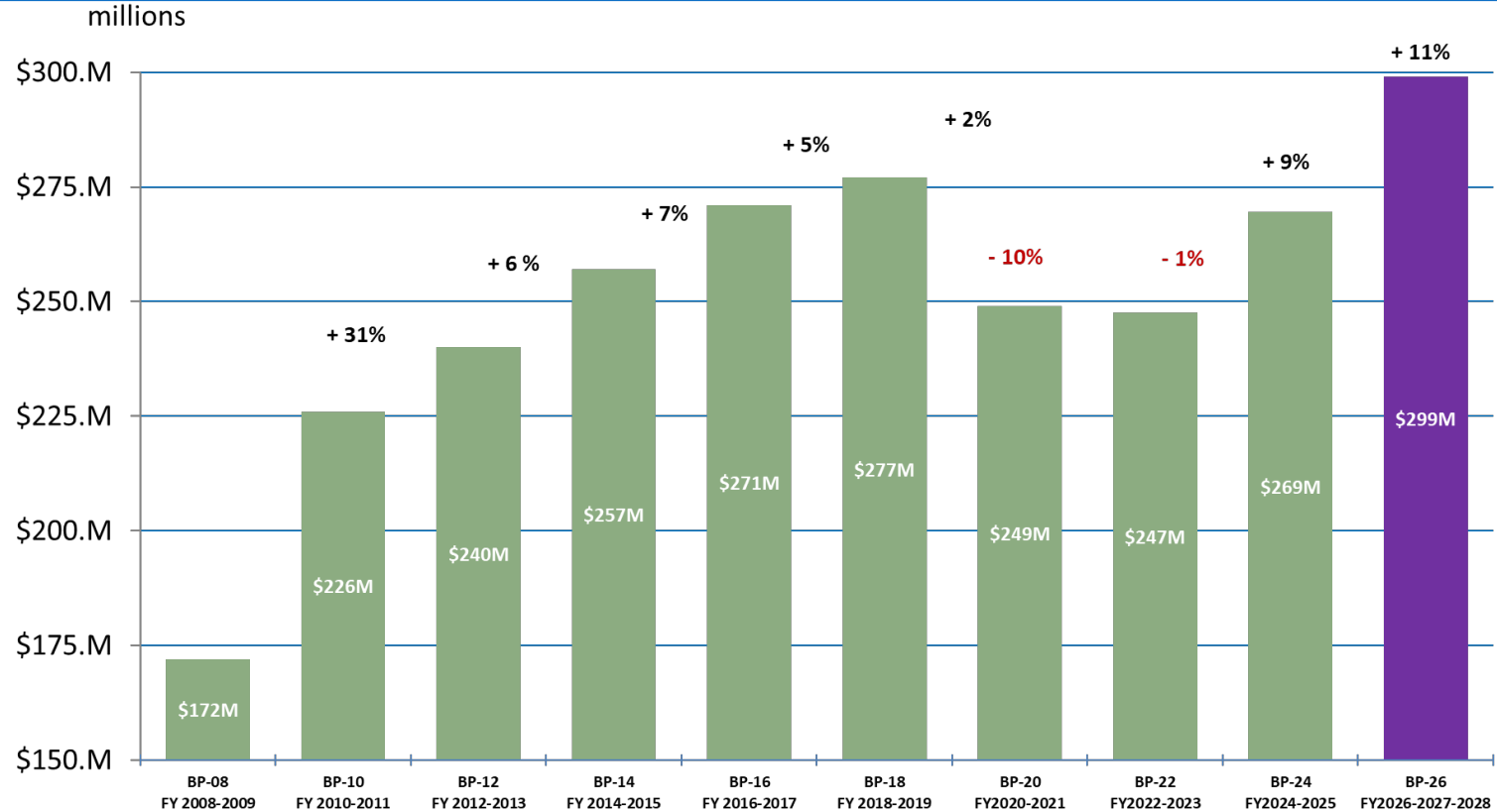
Manager, Business Operations Support - Fish &
Wildlife



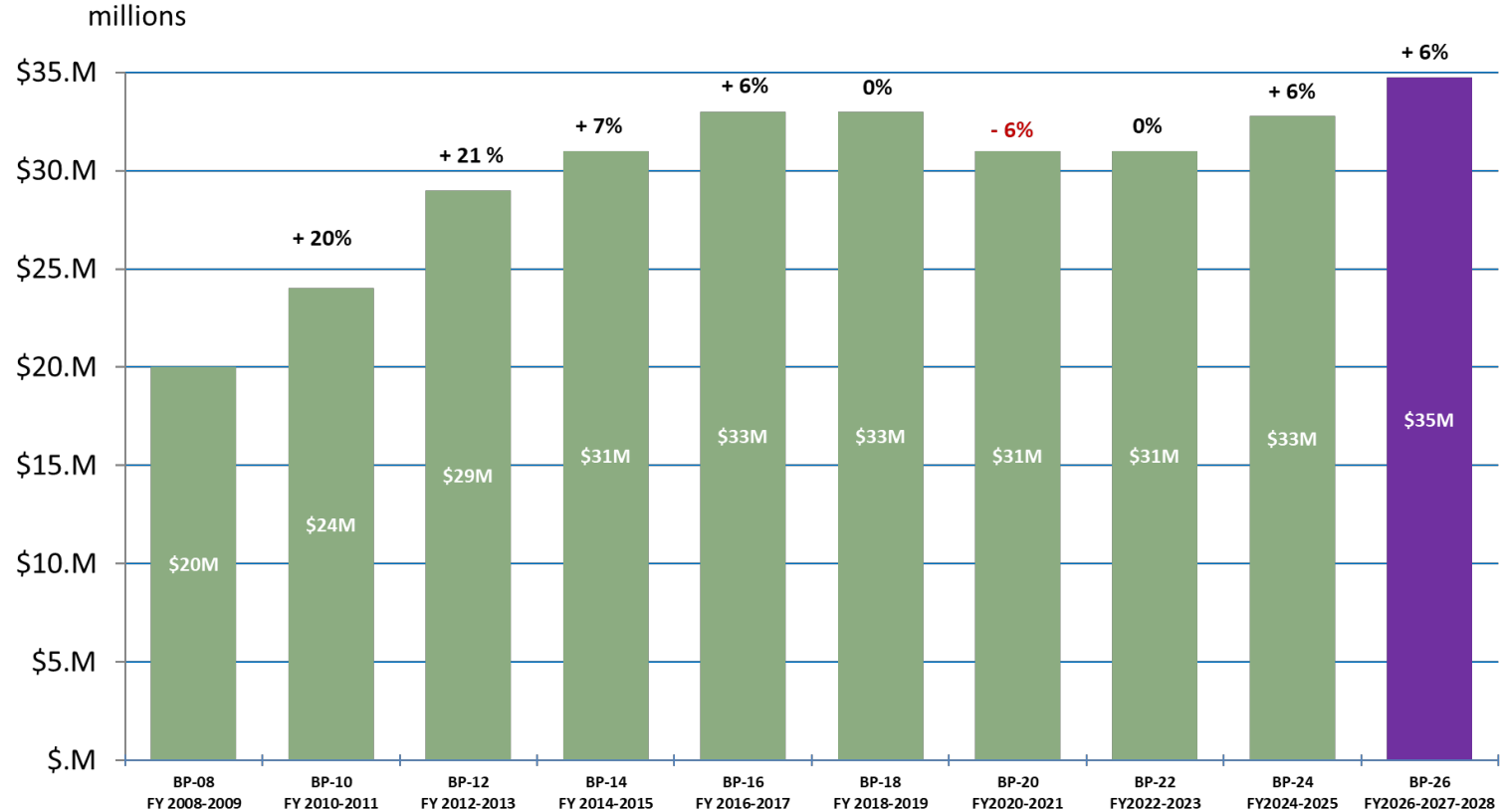
EF&W Expense



F&W Expense Program Historic Cost Projections



LSRCP Historic Cost Projections





ENVIRONMENT, FISH & WILDLIFE CAPITAL

Rodrigo George

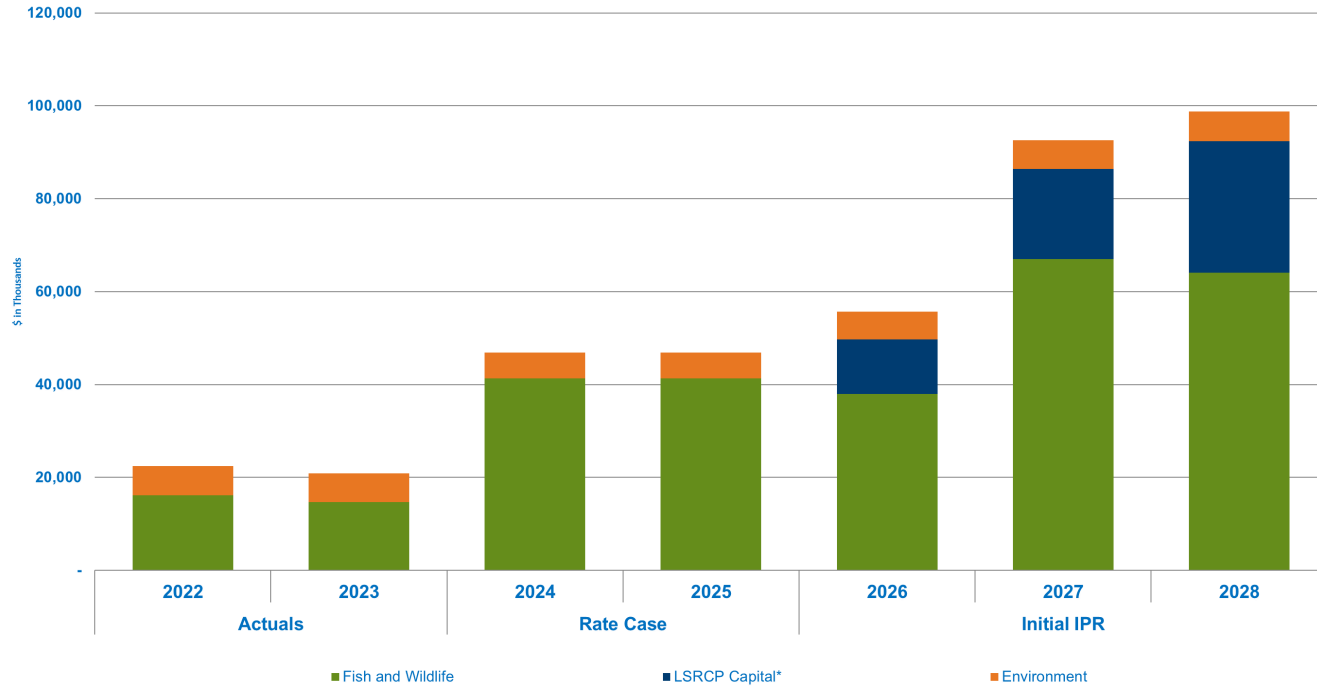
Manager, Business Operations Support - Fish &
Wildlife



BP-26 IPR Objectives - Capital

- **Fish and Wildlife Program Capital Investments**
 - Three asset categories: (1) hatcheries, (2) conservation lands, and (3) large-scale habitat access improvement.
 - In BP-26, F&W capital investments will primarily focus on hatchery construction or upgrades and land acquisitions for wildlife and resident fish mitigation.
 - More can be found at: <https://www.bpa.gov/about/finance/strategic-asset-management-plans>
- **LSCRCP Capital**
 - In December 2023, Bonneville committed to make \$200 million capital available for ten years to the USFWS for LSRCP hatchery modernization, upgrades, and non-recurring maintenance.
 - USFWS has planned to implement \$59.4 million in capital projects using BPA-committed funds during the BP-26 rate period.
- **Environmental Capital Investments**
 - There are no new programs planned for BP-26.
 - Work will continue to focus on:
 - Replacing high-voltage equipment annually that are regulated for PCB content
 - Installing or upgrading drainage treatment and containment systems
 - Installing or upgrading oil storage

EF&W Capital





QUESTION AND ANSWER



Submitting Comments

- Comment Period: July 2nd – August 5th
- Comments can be submitted through:
 - Online: www.bpa.gov/comment
 - Mail: BPA Public Involvement, P.O. Box 14428, Portland, OR 97293
- Webpages:
 - IPR: <https://www.bpa.gov/about/finance/bp-26-ipr>
 - SAMPs: <https://www.bpa.gov/about/finance/strategic-asset-management-plans>

Publication

The BP-26 Initial Publication and other materials are available at:
<https://www.bpa.gov/about/finance/bp-26-ipr>

Strategic Asset Management Plans (SAMPs) are available at:
<https://www.bpa.gov/about/finance/strategic-asset-management-plans>

Questions can be submitted to BPAFinance@BPA.gov

FINANCIAL DISCLOSURE

This information was publicly available on June 25, 2024, and contains information not sourced directly from BPA financial statements

