



# QUARTERLY BUSINESS REVIEW

NOV. 7, 2018



# **INTRODUCTION**

Scott Simms, DIRECTOR OF COMMUNICATIONS

# **AGENDA**

Time	Presentation	Speaker
9:00 a.m.	Introductions	Scott Simms  Director of Communications
9:01 a.m.	State of the business including an update on the BP-20 Rate Case	Elliot Mainzer  Administrator
9:20 a.m.	Finance update	Michelle Manary Chief financial officer
9:29 a.m.	Power Services update	Joel Cook Senior VP of Power Services
9:38 a.m.	Transmission Services update	Richard Shaheen Senior VP of Transmission Services
9:47 a.m.	FY 2019 preview	Janet Herrin Chief operating officer
9:51 a.m.	Upcoming involvement opportunities	Scott Simms
9:53 a.m.	Question and answer session	



# STATE OF THE BUSINESS

Elliot Mainzer, ADMINISTRATOR AND CHIEF EXECUTIVE OFFICER

## **SAFETY**

#### **Incident frequency rate**

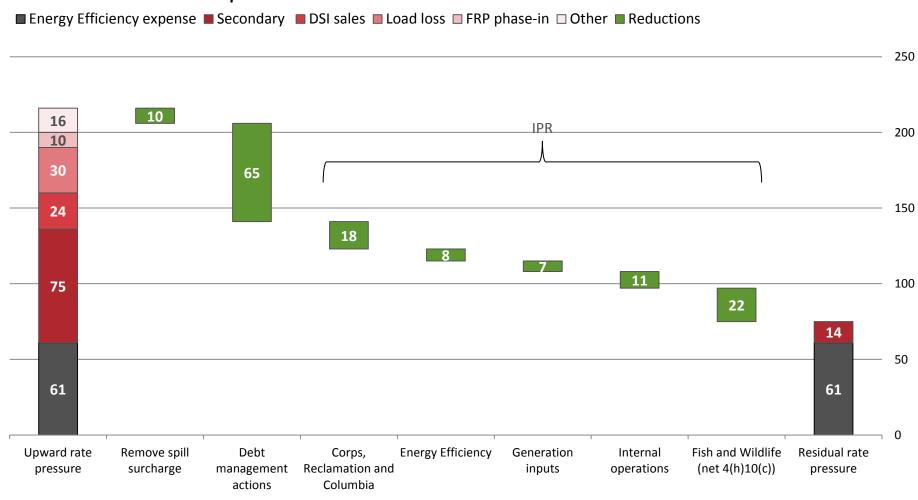


Number of injuries and illnesses per 200,000 hours worked



## **BP-20 PROPOSED POWER RATES**

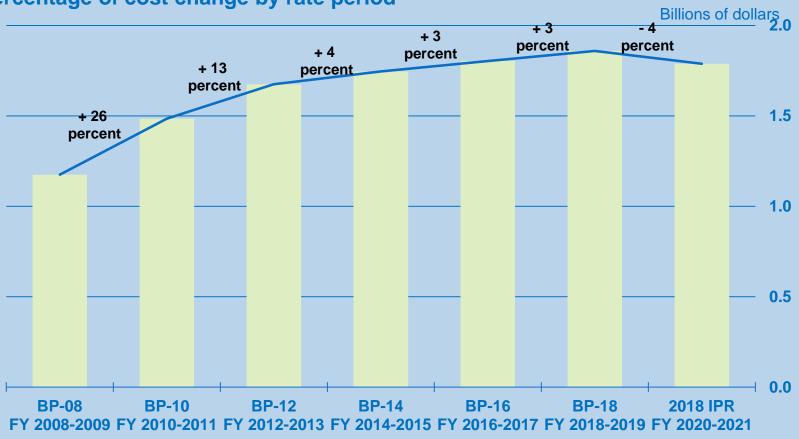
#### Power rate drivers in \$ millions



## BENDING THE COST CURVE

#### Bending the cost curve

Average annual program costs in billions of dollars and percentage of cost change by rate period



### **BP-20 PROPOSED TRANSMISSION RATES**

- 9.5 percent average increase under initial proposal
  - Initial proposal delayed. Anticipated no later than early December.
- 4 percent average transmission rate increase under tariff settlement
  - Signed settlement deadline: Nov. 30

### FISH AND WILDLIFE - FISH ACCORDS

#### FISH ACCORDS EXTENDED

- Columbia Basin Fish Accords extended for up to four more years.
- \$400 million for fish and wildlife mitigation and protection.



# **FINANCE**

Michelle Manary, CHIEF FINANCIAL OFFICER

## Financial Health Objectives

#### COST MANAGEMENT

Maintain low rates; enhance asset value and reliability

#### **DEBT UTILIZATION**

Reduce interest expense; maintain financial flexibility

#### **DEBT CAPACITY**

Maintain access to secure and low-cost debt financing

#### LIQUIDITY

Maintain financial reserves for solvency and stability

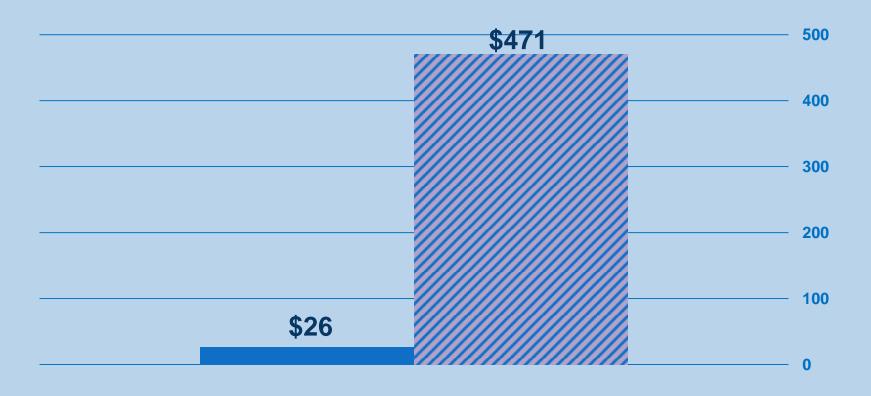
## **AGENCY NET REVENUES**

#### **FCRPS** net revenues

In millions of dollars

■BP-18 Rate Case ■ Actuals





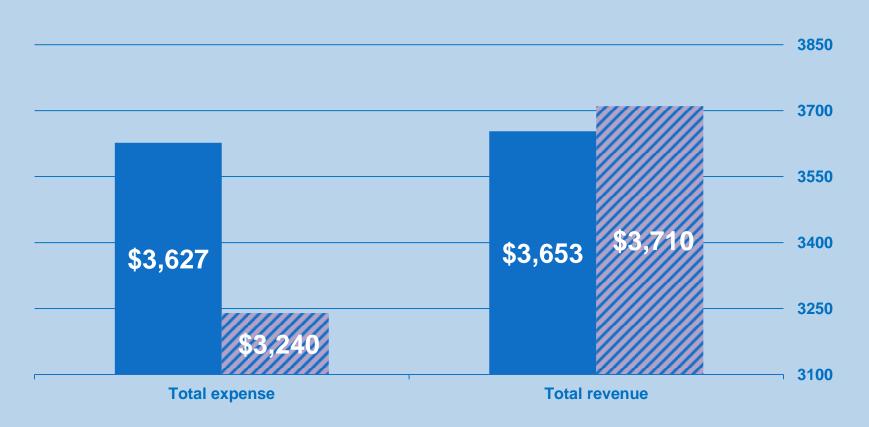
## AGENCY FINANCIAL HEALTH

### Federal Columbia River Power System

Total revenue and expense in millions of dollars

■ BP-18 Rate Case Actuals





## **FY 2018 FINANCIAL HIGHLIGHTS**

\$52 million

less than expected POWER EXPENSES

\$35 million

more than expected POWER REVENUES

\$19 million

less than expected TRANMISSION EXPENSES

\$38 million

more than expected TRANSMISSION REVENUES

## **DEBT-TO-ASSET RATIO**

 The proportion of BPA's revenue-generating assets that are financed through debt.

	Debt-to-asset ratio (%)	
	Sept. 30, Sept. 30, 2018	
Agency	90	88
Power	98	96
Transmission	79	78

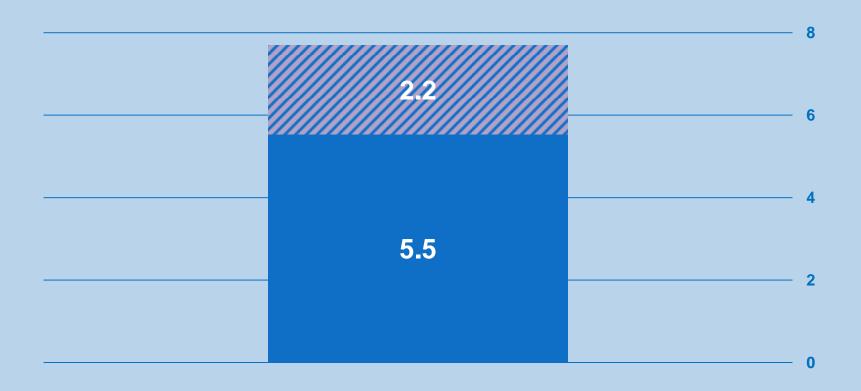
Moody's top 50 utility average is 54 percent.

## **CURRENT BORROWING POSITION**

# Borrowing authority as of Sept. 30, 2018 In billions of dollars



■ Debt Outstanding ✓ Available



## DAYS CASH ON HAND



	BP-18 Rate Case		FY	2018 actı	uals	
	Power	Trans.	Agency	Power	Trans.	Agency
EOY Reserves	170	468	638	191	648	840

<sup>\*</sup>Reserves in millions of dollars



# **POWER SERVICES**

Joel Cook, SENIOR VICE PRESIDENT OF POWER SERVICES

## POWER SERVICES EXPENSE

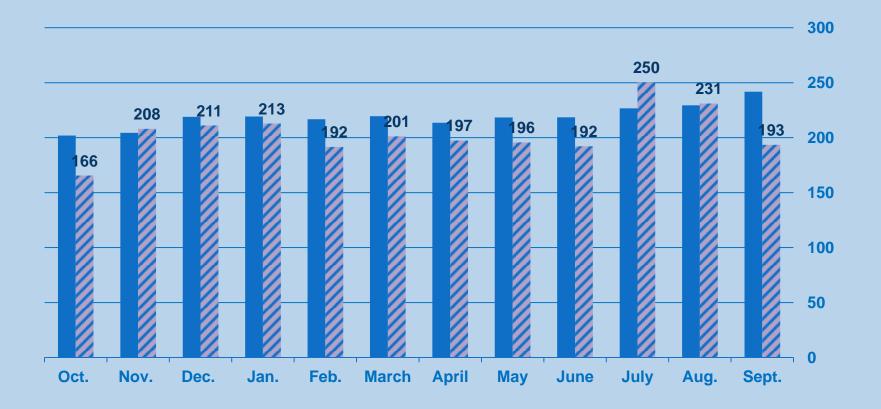
#### **Power Services total expense**

Total expenses in millions of dollars

■ BP-18 Rate Case

Actuals

Total expense (in millions of dollars)			
BP-18 Rate Case	FY 2018 actuals	Variance	
2,629	2,450	(179)	



## **POWER SERVICES REVENUES**

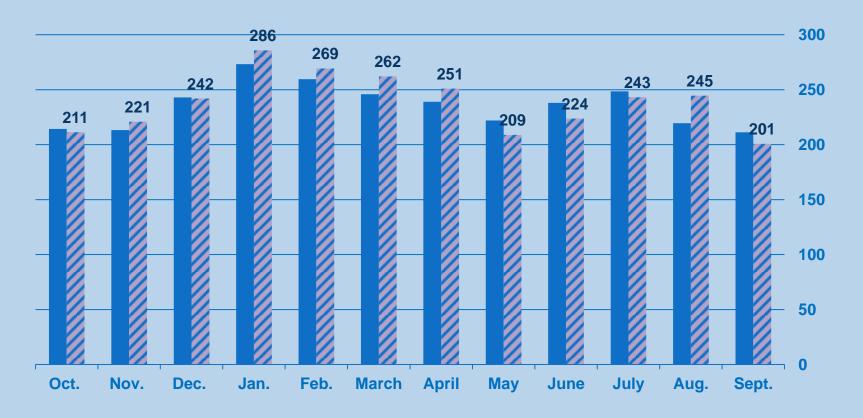
#### **Power Services total revenues**

Total revenues in millions of dollars

■ BP-18 Rate Case

Actuals

Total revenues (in millions of dollars)			
BP-18 Rate Case	Variance		
2,827	2,863	35	



## **HENRY HUB PRICES**

#### **Henry Hub prices**

In dollars per one million British thermal units

**BP-18 avg.:** \$3.12 **FY 2018 avg.:** \$2.93



## **MID-C PRICES**

### Mid-C heavy load hour prices

In dollars per megawatt hour

- BP-18 Rate Case - Actuals





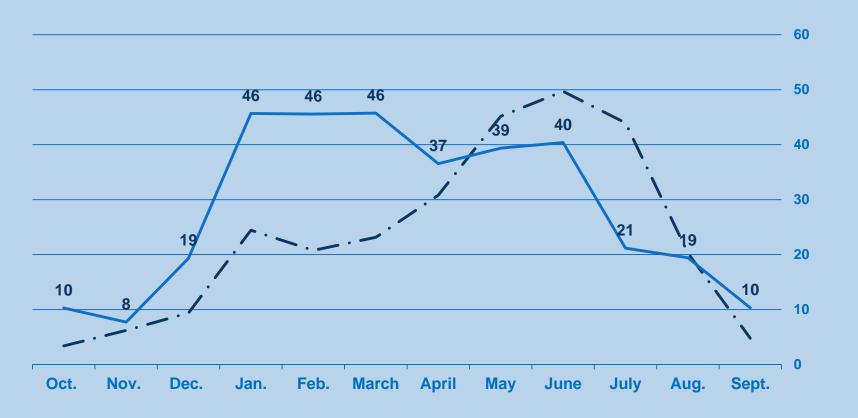
## **NET SECONDARY REVENUE**

### Net secondary revenue

In million of dollars

- · BP-18 (non-slice) - FY 2018 actuals

NSR (in millions of dollars)			
BP-18 Rate Case	Variance		
282	345	63	

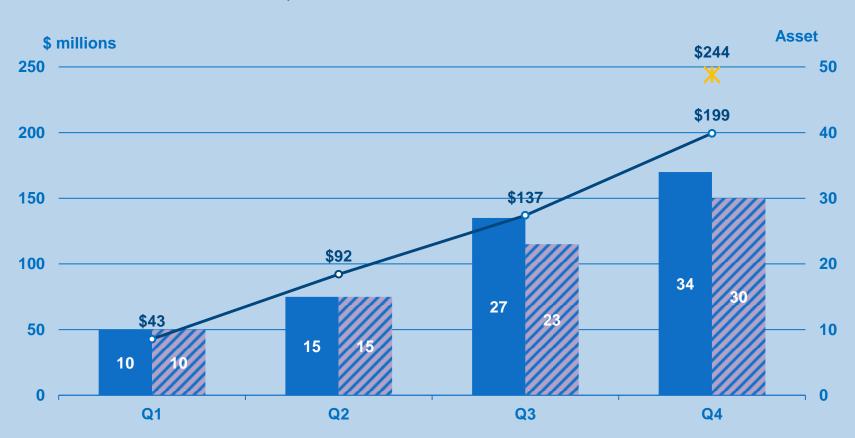


## POWER SERVICES CAPITAL

### Capital expenditure and work completed

Tracks capital expenditure and percent of workplan completed





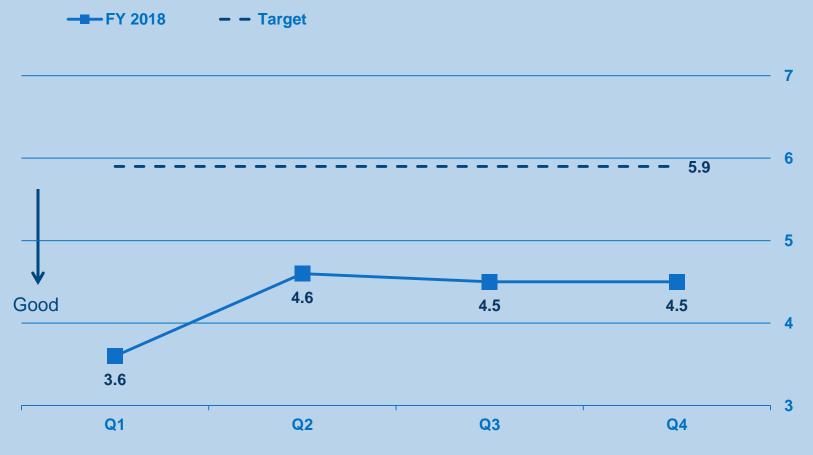
Note: capital expenditure KPI includes only direct-funded federal hydropower capital.

## FEDERAL HYDROPOWER RELIABILITY

### Federal hydropower forced outage factor





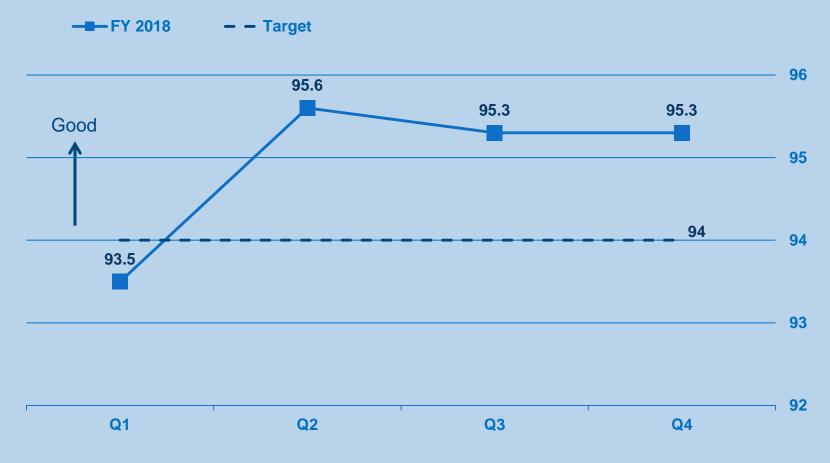


#### **COLUMBIA GENERATING STATION RELIABILITY**

### **Columbia Generating Station availability factor**







## **ACCOMPLISHMENTS**

- 2018 Resource Program
- Portland General Electric capacity agreement
- River operations



## TRANSMISSION SERVICES

Richard Shaheen, SENIOR VICE PRESIDENT OF TRANSMISSION SERVICES

## TRANSMISSION SERVICES EXPENSE

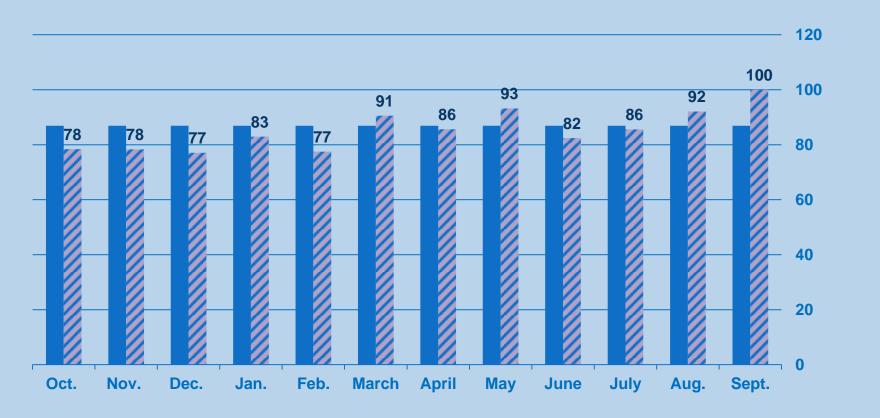
### **Transmission Services total expense**

Total expense in millions of dollars

■ BP-18 Rate Case

Actuals

Total expense (in millions of dollars)			
BP-18 Rate Case	FY 2018 actuals	Variance	
1,043	1,024	(19)	



## TRANSMISSION SERVICES REVENUES

#### **Transmission Services total revenues**

Total revenues in millions of dollars

■ BP-18 Rate Case

Actuals

	Total revenues (in millions of dollars)			
BP-18 Rate Case		FY 2018 actuals	Variance	
	1,052	1,090	38	

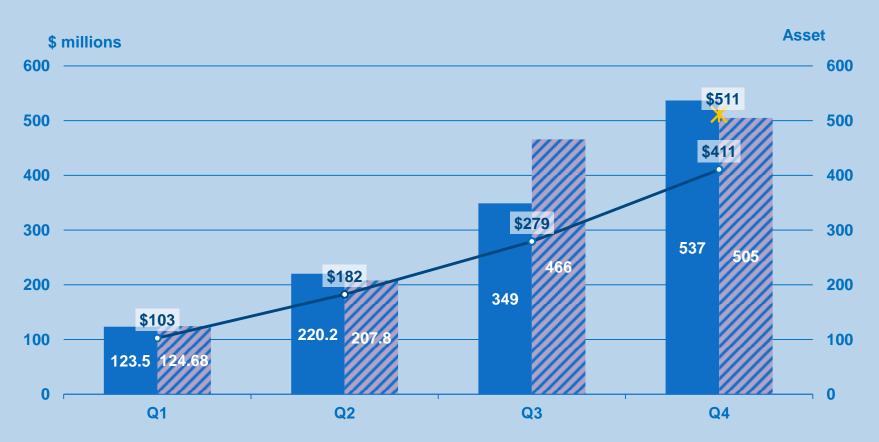


## TRANSMISSION SERVICES CAPITAL

### Capital expenditure and work completed

Tracks capital expenditure and percent of workplan completed



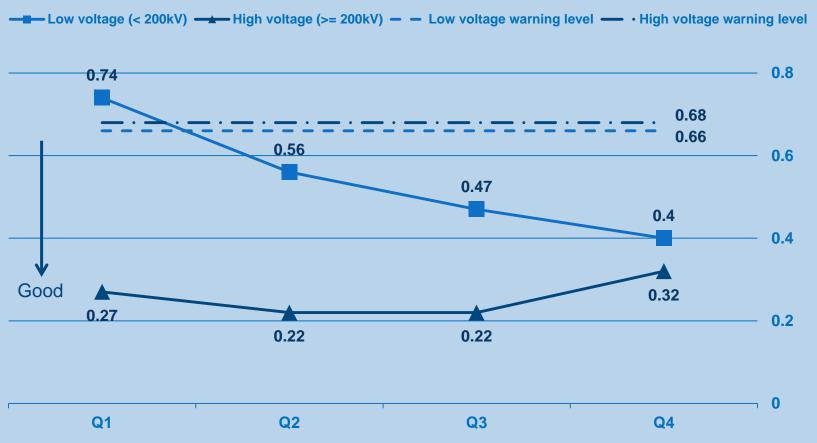


## **TRANSMISSION RELIABILITY - SAIFI**

### System average interruption frequency index



Tracks frequency of unplanned outages

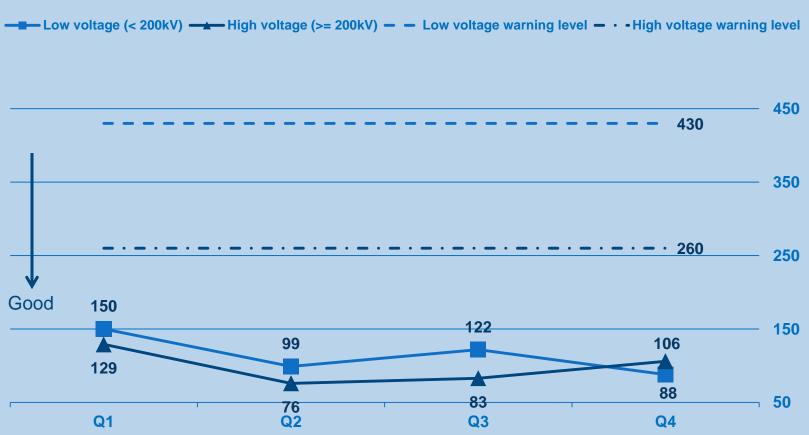


## **TRANSMISSION RELIABILITY - SAIDI**

### System average interruption duration index



Tracks duration of unplanned outages



## **ACCOMPLISHMENTS**

- Reliability coordinator services.
- TC-20 schedule and settlement discussions.
- Planning work:
  - Transmission Integrated Planning Process.
  - Evolving demand.



# FY 2019 PREVIEW

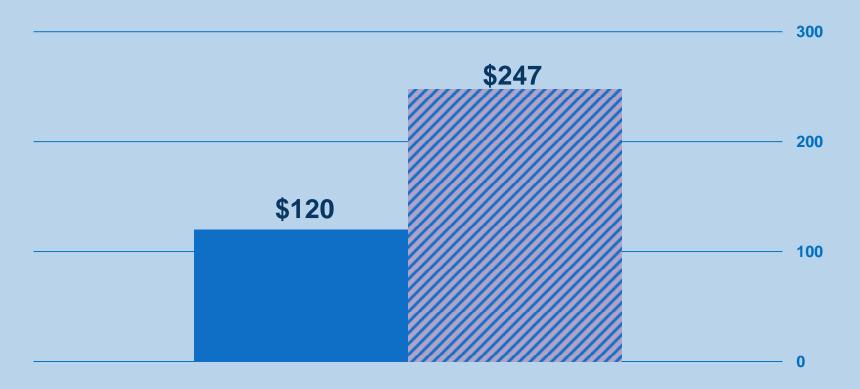
Janet Herrin, CHIEF OPERATING OFFICER

## **2019 AGENCY NET REVENUES**

#### **FCRPS** net revenues

In millions of dollars

■BP-18 Rate Case ■FY 2019 start-of-year forecast

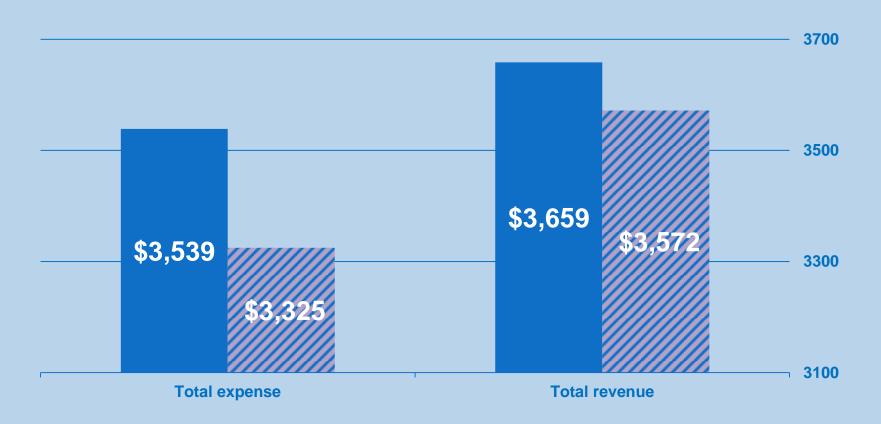


## 2019 AGENCY FINANCIAL HEALTH

#### Federal Columbia River Power System

Total revenue and expense in millions of dollars

■BP-18 Rate Case ■FY 2019 start-of-year forecast



## **GRID MODERNIZATION**

- Mission critical information technology
  - Modernize the systems necessary to do core power and transmission functions; the foundation to all other grid mod projects.
- Outage management projects
  - Improves outage coordination across agencies and reduces risk of noncompliance.
- Automatic generation control
  - Enables additional capacity marketing from hydro system.



# **PUBLIC ENGAGEMENT**

Scott Simms, DIRECTOR OF COMMUNICATIONS

## **PUBLIC PROCESSES**

- Nov. 14 BPA energy imbalance market stakeholder meeting.
- Dec. 7 South of Allston bilateral redispatch pilot review.

## **COMMENT PERIODS**

- Nov. 13 Nez Perce tribal hatchery operations and Snake River steelhead kelt reconditioning project.
- Nov. 23 Columbian white-tailed deer translocation project.



# **QUESTION AND ANSWER**

### **THANK YOU**

The next QBR is scheduled for Jan. 29, 2019.

Strategic plan is available at www.bpa.gov/StrategicPlan.

Didn't get your question answered?
Email Communications@bpa.gov. Answers will be posted to www.bpa.gov/goto/QBR.

## FINANCIAL DISCLOSURE

This information was publicly available on Nov. 7, 2018, and contains information not sourced directly from BPA financial statements.