

Q1 Quarterly Business Review Technical Workshop

February 11, 2020

9:00 a.m. – 11:30 p.m.

Rates Hearing Room

WebEx: [Join Meeting](#)

Bridge: (415) 527-5035

Access Code: 900781169



Agenda

Time	Min	Agenda Topic	Presenter
9:00	5	Introduction & Safety Moment	Michelle Manary
9:05	25	Accounting Changes	Ben Agre
9:30	60	Q1 Forecast Including Income Statement, Capital and Reserves	Stephanie Adams, Cheryl Hargin, Sheila Dickenson, Jeff Cook & Mike Hull, Nadine Coseo, Damen Bleiler
10:30	30	Grid Modernization Update	Allie Mace
11:00	30	Q & A Session	All

FY20 Accounting Changes

Ben Agre



BPA ACCOUNTING CHANGE LEASE & NON-FEDERAL ACCOUNTING

POC: Benjamin Agre/Amber Naef

Lease Accounting

- The Accounting Standard Update had two primary goals:
 - Record assets and liabilities on the Balance Sheet for all leases.
 - Ensure consistent accounting treatment across companies.

BPA was impacted in two primary ways by the Standard.

- Assets and liabilities will increase on the Balance Sheet.
- The Lease-Purchase Program and three other leases are no longer leases under the new standard.

Transmission Income Statement

Transmission Services Detailed Statement of Revenues and Expenses		FY 2020
Operating Expenses (Integrated Program Review Programs)		
Transmission Operations		
System Operations		
11	Substation Operations	
12	Operations Enterprise Services	
13	Sub-Total	
Business Support		
25	Executive and Administrative Services	
29	Logistics Services	
32	Sub-Total	
33	Transmission Operations Sub-Total	
Transmission Acquisition and Ancillary Services (IPR Programs)		
Non-Between Business Line Acquisition and Ancillary Products and Services		
56	Leased Facilities	
60	Transmission Acquisition and Ancillary Services Sub-Total	
64	Undistributed Reduction	
65	Sub-Total Integrated Program Review Operating Expenses	
Operating Expenses (Non-Integrated Program Review Programs)		
76	Depreciation	
77	Amortization	
78	Sub-Total Non-Integrated Program Review Operating Expenses	
79	Total Operating Expenses	
80	Net Operating Revenues (Expenses)	
Interest expense and other income, net		
85	Customer Advances	
86	Lease Financing	
87	AFUDC	
88	Interest Income	
89	Other income, net	
90	Total interest expense and other income, net	
91	Total Expenses	
92	Net Revenues (Expenses)	



FCRPS Balance Sheet

Legend

Financing Leases

Operating Leases

Assets

Utility plant and nonfederal generation

Completed plant

Accumulated depreciation

Net completed plant

Construction work in progress

Net utility plant

Nonfederal generation

Net utility plant and nonfederal generation

Other Assets

Regulatory assets

Investments in U.S. Treasury securities

Nonfederal nuclear decommissioning trusts

Deferred charges and other

Total other assets

Total Assets

Capitalization and Long-term Liabilities

Accumulated net revenues

Debt

Federal appropriations

Borrowings from U.S. Treasury

Nonfederal debt

Total capitalization and long-term liability

Current Liabilities

Debt

Federal appropriations

Borrowings from U.S. Treasury

Nonfederal debt

Accounts payable and other

Total current liabilities

Other Liabilities

Regulatory liabilities

IOU exchange benefits

Asset retirement obligations

Deferred credits and other

Total other liabilities

Total Capitalization and Liabilities

Non-Federal Debt and Asset Accounting

- As a result of the Lease Accounting Standard, Non-Federal accounting was reviewed to determine the best treatment
- Accounted for in similar manner as other generating assets
- Assets amortized on straight-line basis and debt follows accounting guidance
- New decommissioning study led to increase in ARO and accretion expense

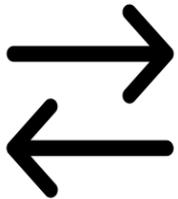
Benefits



Comparable to
Industry



Reduced Complexity



Consistency between
Power & Transmission



↓ Income Statement
Volatility

Income Statement – Non-Federal Changes

		FY 2020
Non-Federal Debt Service		
Energy Northwest Debt Service		
69	Columbia Generating Station Debt Service	-
70	WNP-1 Debt Service	-
71	WNP-3 Debt Service	-
72	Sub-Total	-
Non-Energy Northwest Debt Service		
73	Conservation Debt Service	-
74	Cowlitz Falls Debt Service	-
75	Northern Wasco Debt Service	-
76	Sub-Total	-
77	Non-Federal Debt Service Sub-Total	-
78	Depreciation	
79	Amortization	
80	Accretion (CGS)	
81	Sub-Total Non-Integrated Program Review Operating Expenses	
82	Total Operating Expenses (IPR and Non-IPR)	
83	Net Operating Revenues (Expenses)	
Interest expense and other income, net		
84	Federal Appropriation	
85	Capitalization Adjustment	
86	Borrowings from US Treasury	
87	Customer Prepaid Power Purchases	
88	AFUDC	
89	Non Federal Interest Expense	
90	Interest Income	
91	Other income, net	
92	Total interest expense and other income, net	
93	Total Expenses	
94	Net Revenues (Expenses)	

FCRPS Balance Sheet

Assets

Utility plant and nonfederal generation

Completed plant

Accumulated depreciation

Net completed plant

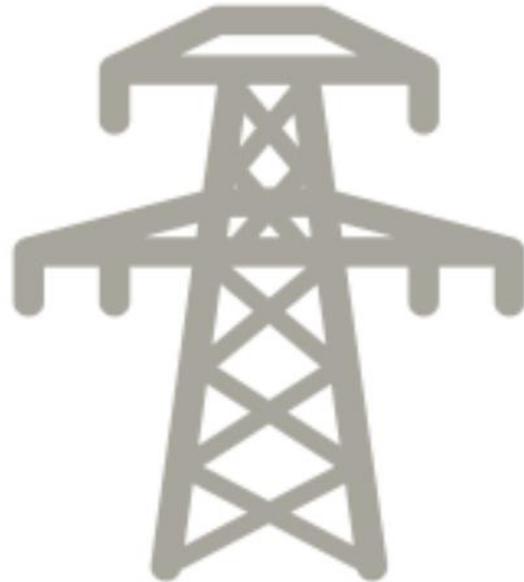
Construction work in progress

Net utility plant

Nonfederal generation

Net utility plant and nonfederal generation

Questions?



Appendix – Accounting Changes

FY20 Lease Accounting Changes

Why is lease accounting changing?

- In 2016 the Financial Accounting Standards Board (FASB) issued an Accounting Standards Update to change the way leases are accounted for.
 - Standard was effective for BPA 10/1/2019 at the beginning of FY20.
 - Change driven by a 2005 SEC report on off Balance Sheet items prepared in the aftermath of Enron.
- The Accounting Standard Update had two primary goals:
 - Record assets and liabilities on the Balance Sheet for all leases.
 - Ensure consistent accounting treatment across companies.

How will these changes be reflected in our financial statements?

- Assets and liabilities will increase on the Balance Sheet.
 - Finance leases increase Utility Plant and Nonfederal Debt.
 - Operating leases increase Other Assets and Nonfederal Debt.
- Income Statement recognition will remain similar to current lease accounting.
 - Finance leases will continue to be recognized in Interest expense and Amortization/Depreciation expense
 - Operating leases will continue to be recognized in O&M expense
- Assets that BPA leases to other parties (lessor leases) were determined to be immaterial and revenue recognition for these items was unchanged.
- Determination of whether contracts contain leases is more complex under the new standard
- Classification of a lease as either a finance lease or an operating lease requires significant accounting analytical work
 - Involving accounting early on in the contract negotiation process can help ensure the business is not surprised by the financial statement recognition.
- Lease-Purchase Program and three other leases are no longer leases under the new standard.
 - This results in minimal impacts to the Financial Statements with a larger impact to the note disclosures.

What are the benefits?

- Upgrades to PeopleSoft Financials allowed for the implementation of the Lease Administration Module.
 - Improved system performance and security.
- Implementation of the Lease Administration Module.
 - Avoids the use of complex spreadsheets which are prone to error and corruption.
 - Enables lease value analysis in order to inform decision makers.
- Accounting performed a comprehensive review of all contracts to determine the appropriate treatment, allowing for consistent treatment across agency contracts.

Appendix – Accounting Changes

FY20 Nonfederal Accounting Changes

Why is Nonfederal accounting changing?

- Over the past two years Accounting took a fresh look at the Nonfederal accounting to determine the best treatment.
 - The Nonfederal accounting portfolio includes Columbia Generating Station (CGS), Cowlitz Falls, Northern Wasco, WNP-1, and WNP-3.
- The Nonfederal accounting has been standardized and simplified so BPA will be comparable to the rest of the industry.
 - As a result of these changes, the Power Income Statement will be more transparent to financial statement users.
 - BPA will no longer recognize Debt Service Expense. Instead, Interest Expense and Amortization will be recorded. Both of these can be forecasted out into the future.
- BPA & Energy Northwest (EN) received an updated Decommissioning Cost Study which projected a significant increase in the cost to decommission CGS which led to the increase in the Asset Retirement Obligation (ARO).

How will these changes be reflected in our Financial Statements?

- On the Balance Sheet, Nonfederal Generation, including CGS and Cowlitz Falls, will be in a new section called “Net utility plant & Nonfederal generation”. The section subtotals the two previously independent sections.
 - CGS and Cowlitz Falls will now be accounted for in a similar manner to BPA’s other generating assets and will be increased for new capital spending.
- The Nonfederal assets will now be amortized on a straight line basis through the end of their respective license terms.
 - On the income statement the Nonfederal Projects Expense line will be removed.
 - The assets amortize on a straight line basis and be reflected in the Depreciation and Amortization line.
- EN debt will be updated during new bond issuances and will follow debt accounting guidance as issued by the Financial Accounting Standards Board (FASB).
 - Interest Expense will be reflected in the Interest Expense line.
 - For new debt, this will result in the capitalization and amortization of premiums and discounts.
 - Bond refinancings will be reported as extinguishments using the fair value of the new debt. The difference between the old and new bond will result in the recording of a gain or loss.
- Expenses and income related to the CGS ARO and trust fund will no longer be deferred in a regulatory account.
 - Accretion Expense for the CGS ARO will now be recorded on the income statement as a part of Depreciation and Amortization.
 - CGS Decommissioning Trust Fund earnings will now be recognized on the Income Statement as Interest Income and Other Income.

What are the benefits?

- This accounting treatment better represents the substance of the Nonfederal transactions.
- Transparent to financial statement users.
 - The asset and the debt treatment are consistent with BPA’s treatment of other assets and debt, as well as the utility industry and other FASB financial statement issuers.
- Decreased Income Statement volatility.
 - Swings in principal repayments no longer impact the Income Statement.
- It provides consistency between Power and Transmission both from an accounting and revenue requirement perspective.
- Change aligns with industry best practices and preferred GAAP accounting.
- The Nonfederal accounting will now match the Federal accounting.

Q1 Forecast Including Income Statement, Capital and Reserves

Stephanie Adams, Cheryl Hargin, Nadine Coseo, Damen Bleiler, Sheila Dickinson, Jeff Cook, Mike Hull

Report ID: 0021FY20 Requesting BL: POWER BUSINESS UNIT Unit of measure: \$ Thousands		QBR Forecast Analysis: Power Services Through the Month Ended December 31, 2019 Preliminary / Unaudited		Data Source: PFMS Run Date/Time: January 30, 2020 / 03:43 % of Year Elapsed = 25%
		A	B	C
		FY 2020		FY 2020
		Rate Case	Current EOY Forecast	Current EOY Forecast - Rate Case
Operating Revenues				
1	Gross Sales (excluding bookout adjustment)	\$ 2,472,943	\$ 2,471,401	\$ (1,542)
2	Bookout Adjustment to Sales	-	(10,090)	(10,090)
3	Other Revenues	28,016	29,736	1,720
4	Inter-Business Unit	117,901	116,871	(1,030)
5	U.S. Treasury Credits	90,850	106,053	15,204
6	Total Operating Revenues	2,709,710	2,713,972	4,262
Operating Expenses (Integrated Program Review Programs)				
Power System Generation Resources				
7	Columbia Generating Station	262,471	263,735	1,264
8	Bureau of Reclamation	153,609	153,609	(0)
9	Corps of Engineers	252,557	252,557	
10	Renewables	36,523	36,523	(0)
11	Generation Conservation	112,940	117,645	4,705
12	Subtotal Power System Generation Resources (IPR)	818,100	824,068	5,969
Power Non-Generation Operations				
13	Fish and Wildlife/USF&W/Planning Council/Environmental Requirements	82,816	79,539	(3,276)
14	BPA Internal Support	291,811	291,608	(203)
15	Additional Post-Retirement Contribution	19,577	19,577	-
16	Agency Services G&A	57,859	54,546	(3,313)
17	Undistributed Reduction	-	(4,690)	(4,690)
18	Sub-Total Integrated Program Review Operating Expenses	1,270,162	1,264,649	(5,513)
Operating Expenses (Non-Integrated Program Review Programs)				
Power System Generation Resources				
19	Long-term Contract Generating Projects	12,709	11,583	(1,126)
20	Operating Generation Settlement Payment	22,997	17,600	(5,397)
21	Non-Operating Generation	1,631	2,117	486
22	Gross Contracted Power Purchases and Augmentation Power Purchases	86,035	106,019	19,984
23	Bookout Adjustment to Power Purchases	-	(10,090)	(10,090)
24	Residential Exchange/IOU Settlement Benefits	249,094	249,767	673
25	Generation Conservation (Non-IPR)	8,590	8,590	(0)
26	Subtotal Power System Generation Resources (Non-IPR)	381,056	385,586	4,530
Power Services Transmission Acquisition and Ancillary Services				
27	Other Income, Expenses & Adjustments	221,643	188,651	(32,992)
28	Non-Federal Debt Service	-	(0)	(0)
29	Depreciation, Amortization & Accretion	518,295	477,000	(41,295)
30	Sub-Total Non-integrated Program Review Operating Expenses	1,120,993	1,051,237	(69,756)
31	Total Operating Expenses	2,391,155	2,315,886	(75,270)
32	Net Operating Revenues (Expenses)	318,555	398,086	79,532
Interest expense and other income, net				
34	Interest Expense	305,707	310,792	5,085
35	AFUDC	(15,904)	(15,031)	873
36	Interest Income	(13,777)	(11,618)	2,159
37	Other income, net	(5,052)	(5,052)	-
38	Total interest expense and other income, net	270,974	279,091	8,117
39	Total Expenses	2,662,129	2,594,977	(67,152)
40	Net Revenues (Expenses)	\$ 47,580	\$ 118,995	\$ 71,415

<1 Although the forecasts in this report are presented as point estimates, BPA operates a hydro-based system that encounters much uncertainty regarding water supply and wholesale market prices. These uncertainties, among other factors, may result in large range swings +/- impacting the final results in revenues, expenses, and cash reserves.

Power Services QBR Analysis: FY 20 Q1 End of Year Forecast

(Note: Variance explanations are for +/- \$2M or greater)

Row 6 – Total Operating Revenues: \$4 million higher than the Rate Case due to increases in other revenues from financial swaps and higher Treasury Credits resulting from an increase in modeled power purchases.

Integrated Program Review Operating Expenses:

Row 11 – Generation Conservation (Energy Efficiency): \$5 million higher than Rate Case reflects funding carried over from FY 2019 to within the Conservation Purchases program for multi-year contracts.

Row 13 - Power Non-Generation Operations, and Row 16 - Agency Services G&A : \$6.6 million lower than Rate Case since forecast was informed using actual data from the past 12 months which indicates Power is receiving a lower portion of the overall Corporate support costs than what had been assumed in rate case.

Row 17 – Undistribution reduction: \$5 million below the rate case reflects a forecast offset for the Energy Efficiency Carry Over in row 11.

Power Services QBR Analysis: FY 20 Q1 End of Year Forecast

(Note: Variance explanations are for +/- \$2M or greater)

Non-Integrated Program Review Operating Expenses:

Row 20 – Operating Generation Settlement: \$5 million lower than Rate Case to reflect expected Colville Settlement.

Row 22 – Gross Contracted Power Purchases: \$20 million greater than Rate Case reflects due to dry weather conditions and lower stream flows.

Row 27 – Transmission Acquisition & Ancillary Services : \$32 million lower than Rate Case reflects lower loads and lower 3rd Party GTA wheeling.

Row 30 – Depreciation, Amortization and Accretion: \$41 million lower than Rate Case is due to the implementation of new accounting treatment for Energy Northwest and other nonfederal assets as referenced elsewhere in this package. Rate Case levels were set prior to the new accounting treatment being finalized and as such a Rate Case to actuals difference was created for the BP-20 rate period.

Row 38 - Net interest Expense: \$8 million higher than Rate Case primarily due to higher Non-Federal Interest resulting from the CGS lines of credit and bond issuances coupled with lower interest income due to a lower projected reserves balance and reduced rates.

Row 39 – Total Net Revenues: \$119 million, which is \$71 million greater than Rate Case.

Report ID: 0023FY20	QBR Forecast Analysis: Transmission Services	Data Source: PFMS
Requesting BL: TRANSMISSION BUSINESS UNIT	Through the Month Ended December 31, 2019	Run Date/Time: January 23, 2020 / 03:39
Unit of Measure: \$ Thousands	Preliminary / Unaudited	% of Year Elapsed = 25%

	FY 2020		FY 2020
	Rate Case	Current EOY Forecast	Current EOY Forecast - Rate Case
Operating Revenues			
1 Sales	\$ 919,467	\$ 937,051	\$ 17,584
2 Other Revenues	43,031	43,662	631
3 Inter-Business Unit Revenues	123,755	106,247	(17,508)
4 Total Operating Revenues	1,086,253	1,086,960	707
Operating Expenses (Integrated Program Review Programs)			
5 Transmission Operations	168,490	160,005	(8,485)
6 Transmission Maintenance	173,074	168,687	(4,387)
7 Transmission Engineering	44,127	60,972	16,846
8 Trans Services Transmission Acquisition and Ancillary Services	10,460	4,845	(5,615)
BPA Internal Support		-	
9 Additional Post-Retirement Contribution	18,438	18,438	()
10 Agency Services G&A	74,090	79,189	5,099
11 Undistributed Reduction	-	-	-
12 Sub-Total Integrated Program Review Operating Expenses	488,678	492,137	3,459
Operating Expenses (Non-Integrated Program Review Programs)			
13 Trans Services Transmission Acquisition and Ancillary Services	117,909	116,871	(1,038)
14 Transmission Reimbursables	10,096	7,571	(2,525)
15 Other Income, Expenses and Adjustments	-	()	()
16 Depreciation & Amortization	342,088	336,620	(5,468)
17 Sub-Total Non-Integrated Program Review Operating Expenses	470,093	461,062	(9,031)
18 Total Operating Expenses	958,771	953,199	(5,572)
19 Net Operating Revenues (Expenses)	127,482	133,761	6,279
Interest expense and other income, net			
20 Interest Expense	183,458	167,780	(15,678)
21 AFUDC	(14,211)	(15,000)	(789)
22 Interest Income	(5,078)	(3,350)	1,728
23 Other income, net	-	-	-
24 Total interest expense and other income, net	164,169	149,430	(14,739)
25 Total Expenses	1,122,940	1,102,629	(20,311)
26 Net Revenues (Expenses)	\$ (36,687)	\$ (15,669)	\$ 21,018

<1 Although the forecasts in this report are presented as point estimates, BPA operates a hydro-based system that encounters much uncertainty regarding water supply and wholesale market prices. These uncertainties, among other factors, may result in large range swings +/- impacting the final results in revenues, expenses, and cash reserves.

Transmission Services QBR Analysis: FY 20 Q1 End of Year Forecast

(Note: Variance explanations are for +/- \$2M or greater)

Row 4 – Total Operating Revenues: \$1 million above rate case due to a higher forecast for variable energy balance service for wind plants that did not leave BPA's Balancing Area as originally anticipated and by an increase in the Network load service forecast due to colder than normal temperatures. Slightly offsetting this increase is a reduction to the Network Point-to-Point long term forecast due to non-renewals of service.

Integrated Program Review Operating Expenses:

Row 5 – Transmission Operations: \$8 million below rate case due to: 1) Forecast for Corporate direct charges to programs decreased and are coming through the Agency Services G&A allocation; 2) Reflects Grid Mod budget allocated to Transmission from the Business Transformation Organization at the start of the year. The remaining balance of the charges for Grid Mod forecasted in rate case shifted from the Operations program into the Agency Services G&A allocation. The net reductions in forecast in this program help to offset increases in the Engineering program.

Row 6 - Transmission Maintenance: \$4 million below rate case due to forecast reflects the alignment of the Start of Year budget to current work plans. The net reductions in forecast in this program help to offset increases in the Engineering program.

Row 7 – Transmission Engineering: \$17 million above rate case due to: 1) Zeroing out the undistributed reduction for the Supply Chain Cost Management Initiative that was in rate case reflecting the reductions will be realized in other programs; 2) Reflects increase for PSANI and Mid C work that will occur this fiscal year but was not included in rate case because the work was assumed to be have already been completed; 3) Reflects a greater amount of Corporate direct charging into this program. The net increase in forecast in this program is more than offset by forecast reductions in the other programs.

Row 8 – Acquisition and Ancillary Services: \$6 million below rate case due to lower Reliability Demand Response/Re-dispatch expenses since there were no non-wire initiative projects submitted this fiscal year.

Transmission Services QBR Analysis: FY 20 Q1 End of Year Forecast

(Note: Variance explanations are for +/- \$2M or greater)

Row 10 – Agency Services G&A: \$5 million higher than rate case since forecast was informed using actual data from the past 12 months which indicates Transmission is receiving a greater portion of the overall Corporate support costs than what had been assumed in rate case.

Non-Integrated Program Review Operating Expenses:

Row 14 – Transmission Reimbursables: \$2 million lower reimbursable requests.

Row 16 – Depreciation and Amortization: \$5 million lower than rate case based on actual plant that has been placed into service as of the first quarter and the estimated capital expected to go into service over the remainder of FY20.

Row 24 – Net Interest Expense: \$15 million below rate case due to putting less lease financing in place and slightly less Federal borrowing coupled with lower interest rates than assumed in the rate case.

Agency Capital Expenditures: FY 20 Performance

Report ID: 0027FY20
 Requesting BL: Corporate Business Unit
 Unit of Measure: \$Thousands

QBR Forecast Analysis: BPA Capital Expenditures
 FYTD Through the Month Ended December 31, 2019
 Preliminary Unaudited

Data Source: PFMS
 Run Date/Time: January 23, 2020 / 03:14
 % of Year Elapsed = 25%

		A	B	C
		FY 2020		FY 2020
		Rate Case	Current EOY Forecast	Current EOY Forecast - Rate Case
Transmission Business Unit				
1	MAIN GRID	\$ 2,320	\$ 10,639	\$ 8,319
2	AREA & CUSTOMER SERVICE	73,359	46,328	(27,031)
3	SYSTEM REPLACEMENTS	316,710	218,261	(98,450)
4	UPGRADES & ADDITIONS	58,319	69,656	11,337
5	ENVIRONMENT CAPITAL	6,898	7,686	788
	PFIA	-	-	-
6	MISC. PFIA PROJECTS	14,034	7,808	(6,226)
7	GENERATOR INTERCONNECTION	69,157	19,302	(49,855)
8	SPECTRUM RELOCATION	1,522	859	(662)
9	CORPORATE CAPITAL INDIRECTS, undistributed	()		
10	TBL CAPITAL INDIRECTS, undistributed	()		
11	LAPSE FACTOR	(13,125)	-	13,125
12	TOTAL Transmission Business Unit	529,194	380,538	(148,656)
Power Business Unit				
13	BUREAU OF RECLAMATION <Note 1	120,893	42,300	(78,593)
14	CORPS OF ENGINEERS <Note 1	133,011	178,900	45,889
15	POWER INFORMATION TECHNOLOGY	3,900	3,090	(810)
16	FISH & WILDLIFE <Note 2	47,266	42,000	(5,266)
17	TOTAL Power Business Unit	305,070	266,290	(38,780)
Corporate Business Unit				
18	CORPORATE BUSINESS UNIT	13,200	11,751	(1,449)
19	TOTAL Corporate Business Unit	13,200	11,751	(1,449)
20	TOTAL BPA Capital Expenditures	\$ 847,465	\$ 658,579	\$ (188,885)

< 1 Excludes projects funded by federal appropriations.
 < 2 Amounts are reported as regulatory assets and not utility plant

Agency Capital Expenditures: FY20 Performance

(Note: Variance explanations are for +/- \$2M or greater)

Transmission Business Unit

*Transmission is \$149 million below rate case due to a shift in Transmission's Sustain and Expand Program prioritizations in FY18. Analysis revealed BPA's need to focus on the Sustain Program was required in order to maintain the reliability of the Grid. This resulted in a change to the mix and size of projects & their corresponding demand for resources. A Sustain-focused program requires a larger amount of resources. Due to staffing changes limitations, Transmission reduced their Start of Year (SOY) Budget to what they believed to be an accurate reflection of what could be delivered. **Transmission's variance from SOY was only 3%, indicating they are on track with their strategic changes.***

Row 1 – Main Grid: \$8 million above rate case, but expected through budgeting. Shift in strategy resulted in a variance.

Row 2 – Area and Customer Service: \$27 million below rate case due to a shift to more Sustain projects.

Row 3 – System Replacements: \$98 million less than rate case due mainly to limited resources needed for Sustain projects.

Row 4 – Upgrades and additions: \$11 million above rate case, but expected due to more resources moving to the Sustain program.

Rows 6-8 – Projects Funded in Advance (PFIA): \$57 million less than rate case due to a change in strategy above. This was budgeted for a reduced amount at SOY and currently on track.

Power Business Unit

Row 13 – Bureau of Reclamation: \$79 million below rate case due to Asset Investment Excellence initiative, projects were delayed or cancelled to prioritize other investments.

Row 14 – Corps of Engineers: \$46 million above rate case due to Asset Investment Excellence initiative, projects were prioritized and pulled forward.

Row 16 – Fish and Wildlife: \$5 million below rate case due to expected delay of qualified land acquisitions.

Financial impacts of reduced capital expenditures compared to rate case:

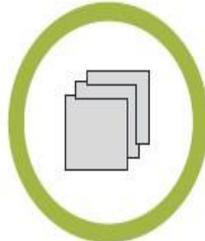
- Interest expense, AFUDC, and depreciation will decrease in the income statement.
- Any interest, AFUDC, and depreciation savings would increase reserves, all else being equal to rate case.
- In the next rate case, any under spend on capital will be captured in the amount of total debt outstanding, depreciation will reflect the actual capital in-service amounts, and higher reserve amounts will reduce the revenue requirement and requirement to meet the Treasury Payment Probability.

Asset Management Relationships



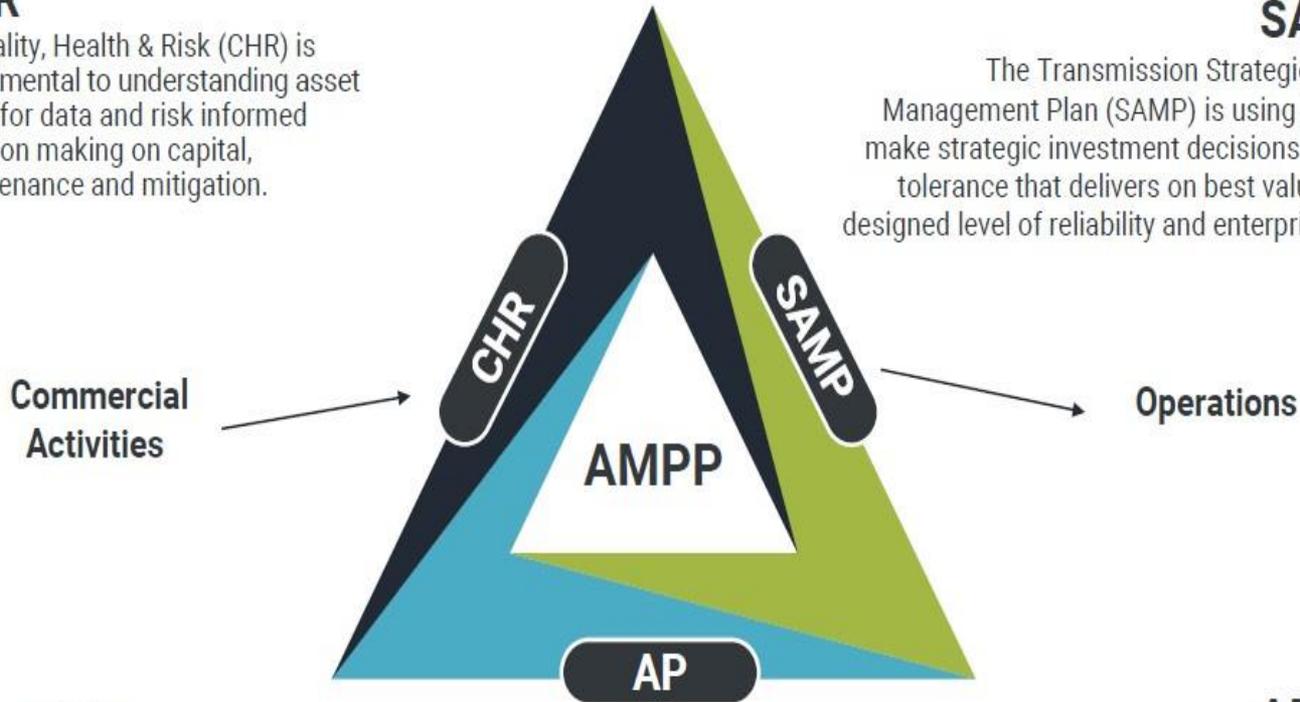
CHR

Criticality, Health & Risk (CHR) is fundamental to understanding asset value for data and risk informed decision making on capital, maintenance and mitigation.



SAMP

The Transmission Strategic Asset Management Plan (SAMP) is using CHR to make strategic investment decisions on risk tolerance that delivers on best value for a designed level of reliability and enterprise risk.



Asset Plan

Transmission Asset Plan (AP) is the nuts & bolts on delivering investments in a 2 year period derived from the Strategic Asset Management Plan (SAMP). What investments are chosen impacts CHR on what risks are actively being mitigated.



AMPP

The Transmission Asset Management Program Plan (AMPP) is an encompassing delivery of asset management competencies which connects all ends of the triangle of understanding cost, performance & risk by building capabilities, systems and policy.

Asset Management Relationships



BUSINESS CASE

TPOT will allow for short and long-term strategic plan (SAMP) to produce a business case with designed constraints and CHR data.



SALVO

The SALVO process and decision support tool allows for optimization of individual assets.



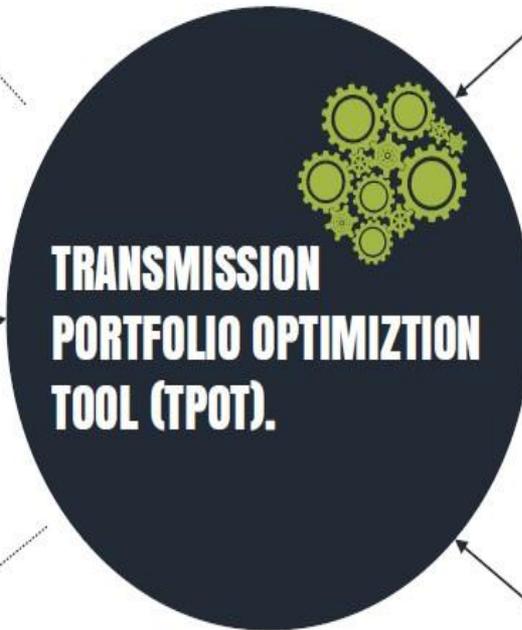
TAPM

Existing Transmission Capital Portfolio System (TAPM) Transmissions current capital project viewer would be eliminated.



CASCADE (CHR)

Cascade will feed CHR data into TPOT and continue to inform asset plan(s) and SAMP.



TEC MODEL

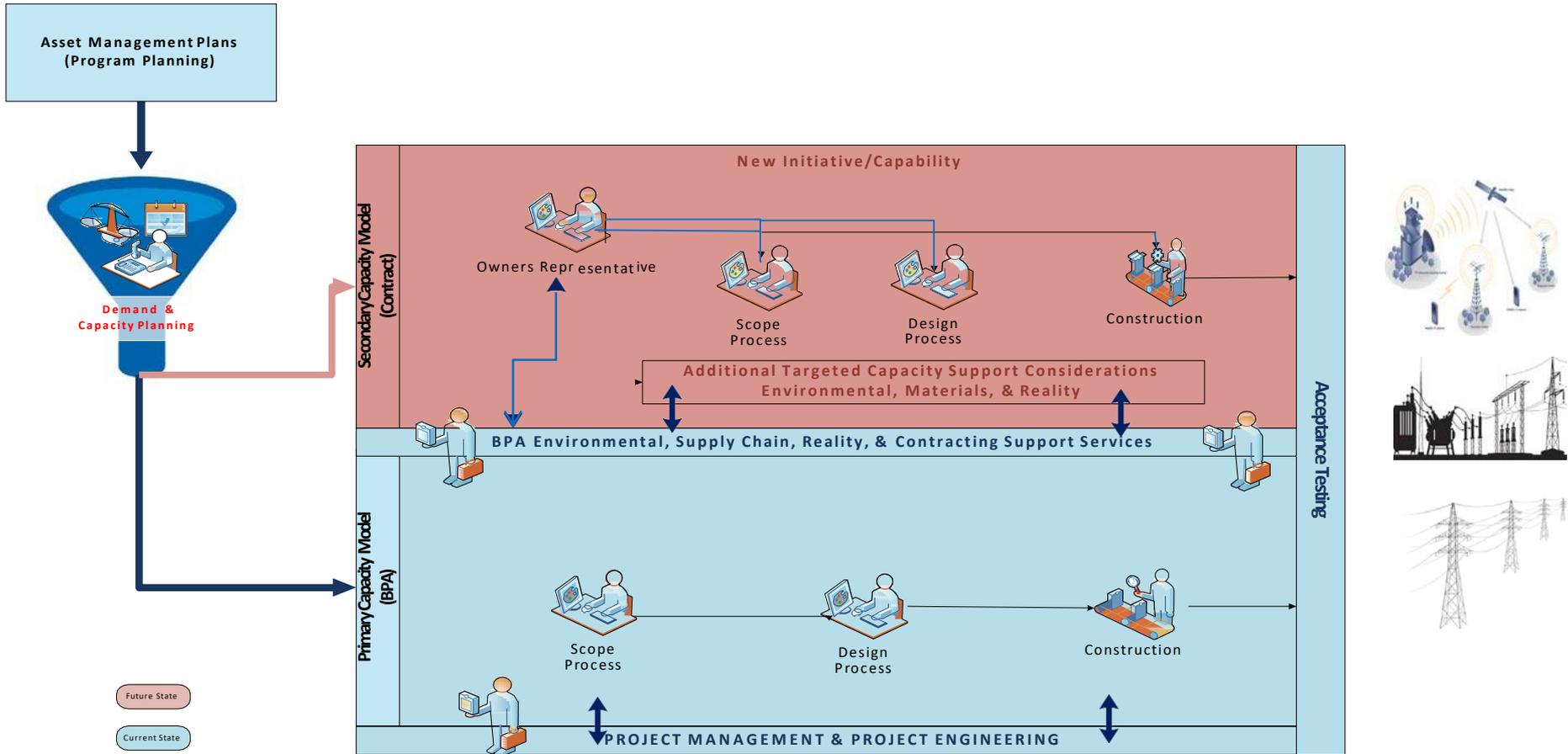
Total Economic Cost models Program investment levels can be used to help shape optimization of projects.



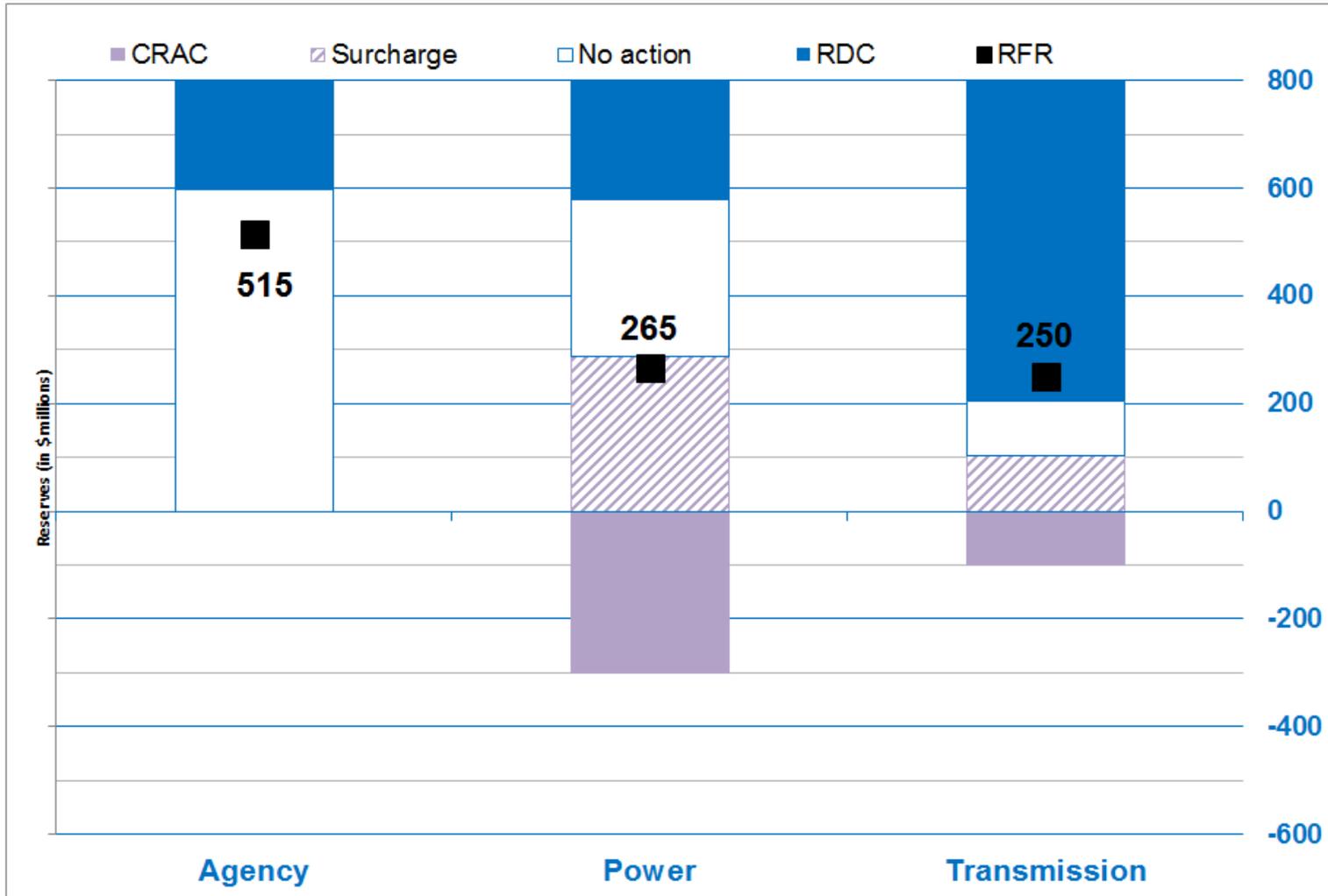
EaSI (ESTIMATING TOOL)

TPOT will replace existing estimating tool and eliminate EaSI system. TPOT tool to have estimating libraries connect to identified strategic optimization plan.

Secondary Capacity Model – Future State



Financial Reserves Forecast

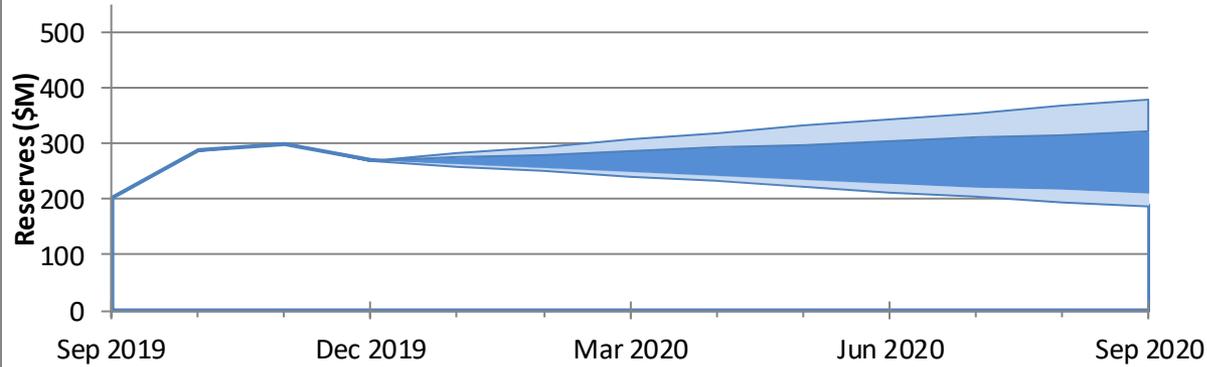


Days Cash	79	55	146
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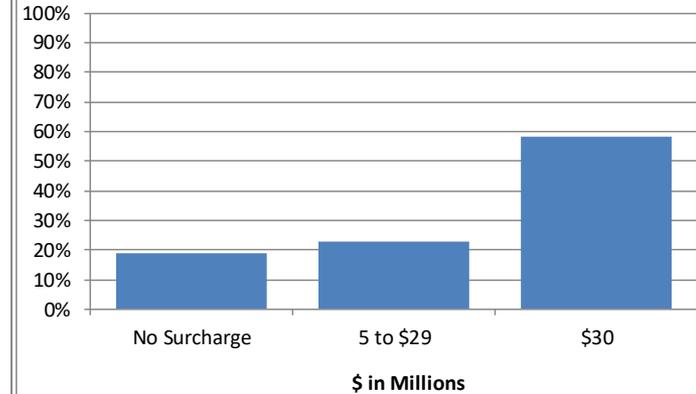
Financial Reserves Forecast

FY20 Power Reserves for Risk Q1 Review (\$MM)

5% to 95%
25% to 75%



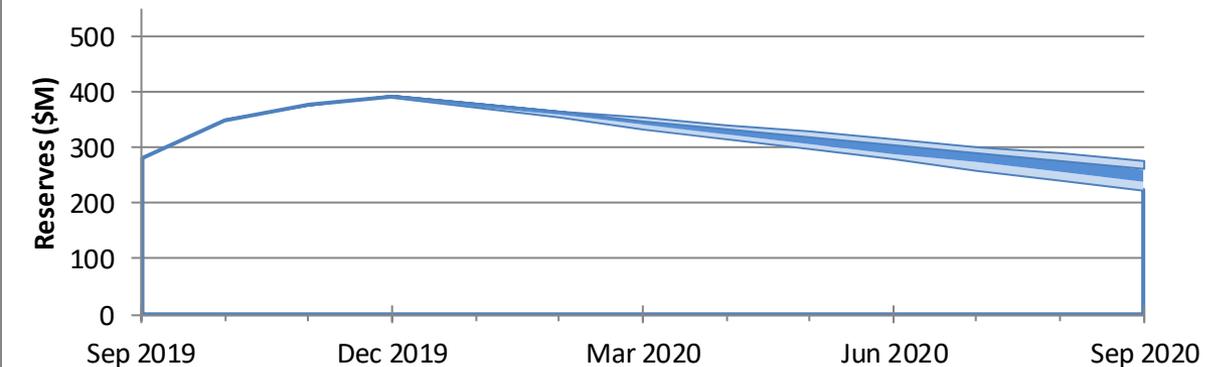
FY21 Power Reserves Surcharge Probabilities Q1 Review



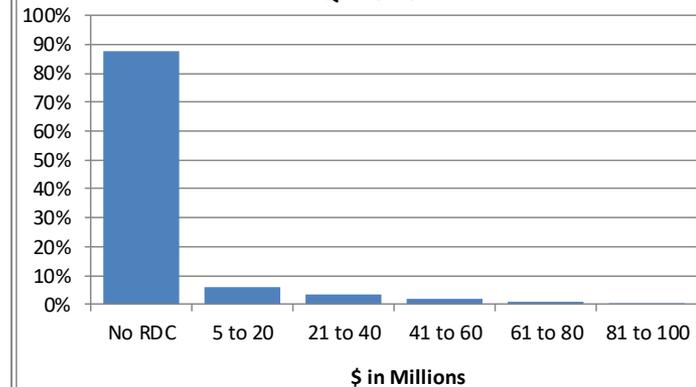
No scenarios result in CRAC or RDC
81% Surcharge probability
\$21m average Surcharge over all scenarios

FY20 Transmission Reserves for Risk Q1 Review (\$MM)

5% to 95%
25% to 75%



FY21 Transmission RDC Probabilities Q1 Review



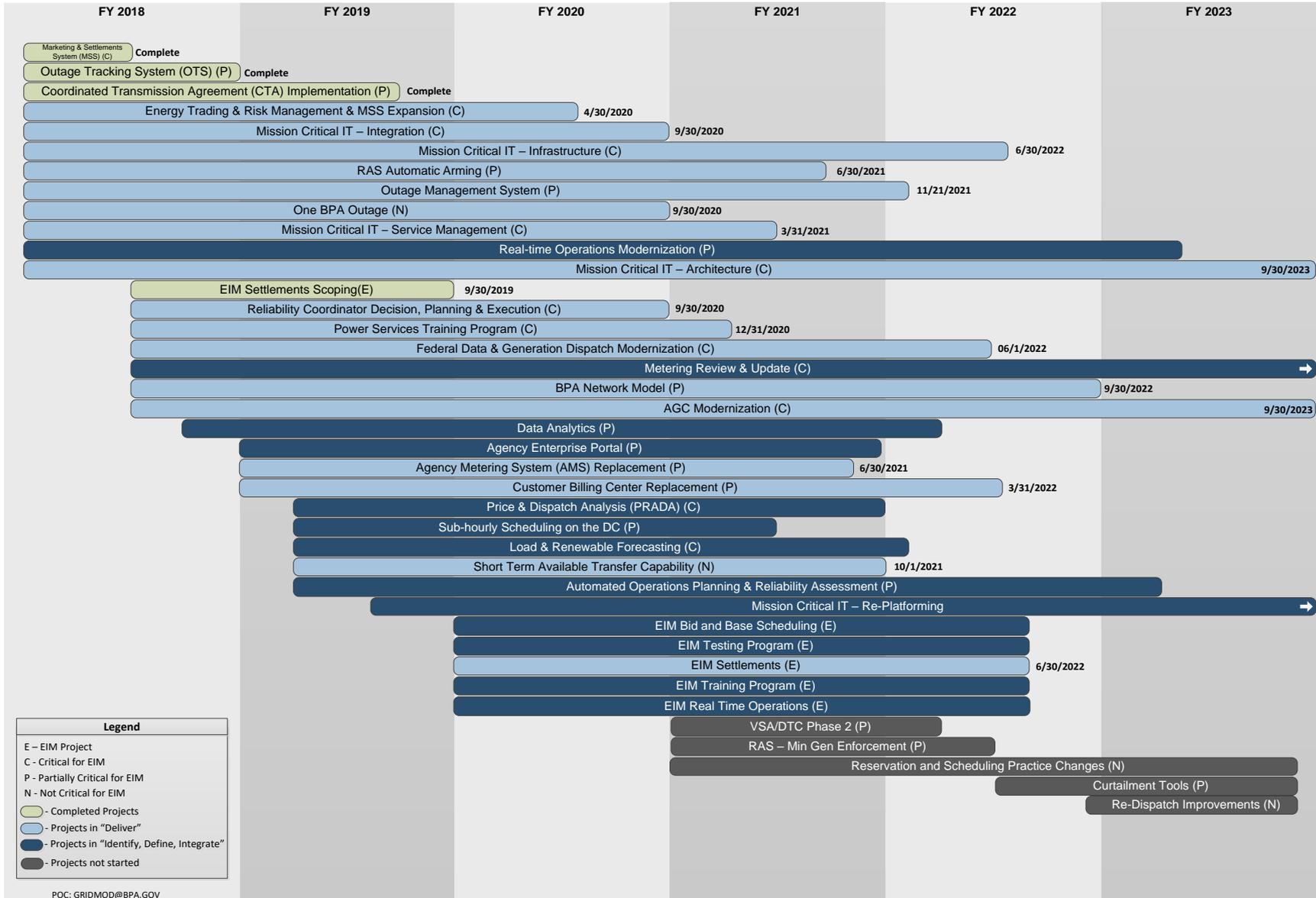
No scenarios result in a CRAC or Surcharge
12% RDC probability
\$3m average RDC over all scenarios

Grid Modernization Update

Allie Mace

Grid Modernization Roadmap

FY20 Q2
Updated as of 02/04/2020 – Subject To Change



Legend

- E – EIM Project
- C - Critical for EIM
- P - Partially Critical for EIM
- N - Not Critical for EIM
- Light Blue - Completed Projects
- Dark Blue - Projects in "Deliver"
- Grey - Projects in "Identify, Define, Integrate"
- Dark Grey - Projects not started

POC: GRIDMOD@BPA.GOV



GM Progress Metric



88%

- 88% of milestones for projects in deliver are on-track or completed.
- A milestone identifies the completion of significant events and/or key decisions associated with the grid modernization project. Examples include (but are not limited to) a formal project kickoff, RFO release dates, “go-live” dates for new software, targets for completing training for new processes, and project conclusion.
- **Status: Green**

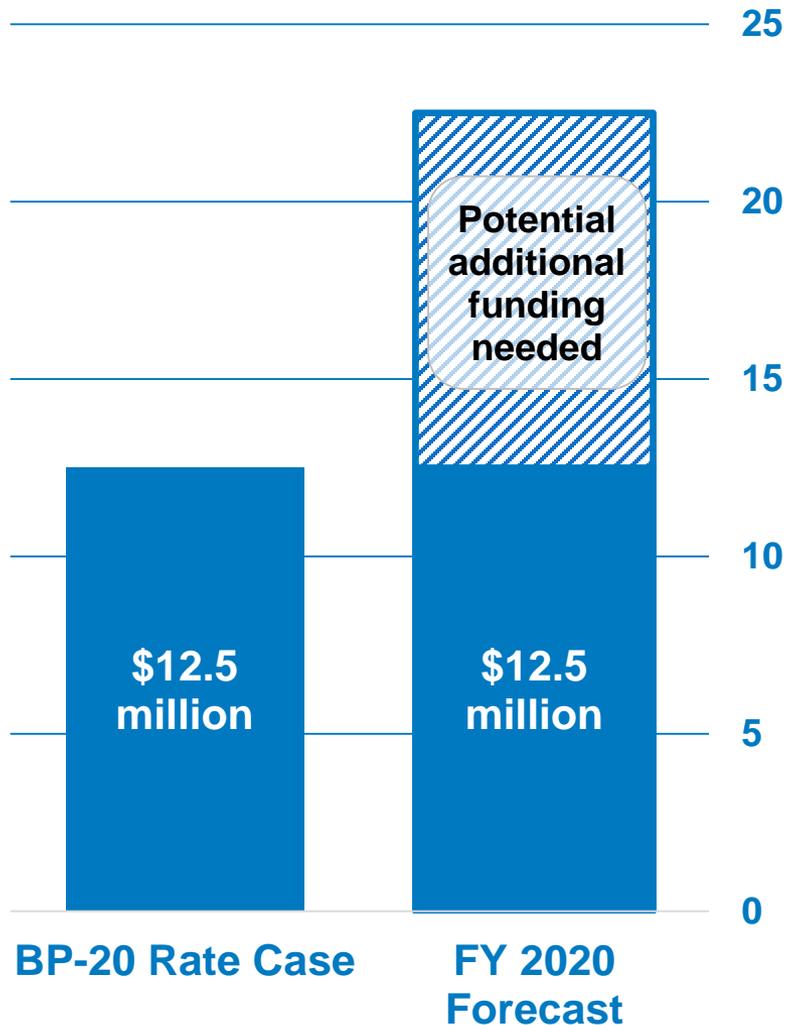
GM Finance Metric



17%

- 17% of the FY 2020 IPR expense budget was spent in the first quarter for projects in deliver.
- This is the equivalent of \$2.1 million.
- **Status: Green**

GM FY 2020 Spending



- The timing of projects moving to deliver has a significant impact on spending.
- BPA anticipates needing \$5 million to \$10 million more than what was allocated in BP-20 due to the timing of projects.
- The official Q1 forecast does not include any of the potential additional funding at this time as a result of project timing. The Q1 forecast reflects the \$12.5 committed in the BP-20 Rate Case.

Project Spotlights

- **Energy Trading & Risk Management & MSS Expansion**
 - Live as of Feb. 4, 2020.
 - Streamlines multi-organizational process, eliminates manual components and offers flexible reporting options.
- **Short-term Available Transfer Capability**
 - Improves ST ATC transparency, accuracy and forecasting.
- **Remedial Action Scheme Automatic Arming**
 - Automates the process of arming the most effective generation required to support the transmission capacity needed.

EIM Implementation

FY 2019		FY 2020		FY 2021		FY 2022	
Grid Modernization Projects							
EIM Decision Phases	Phase II: Implementation Agreement	Phase III: Policy Decisions		Phase IV: Rate and Tariff Proceedings		Phase V: Close-Out*	
CAISO EIM Milestones	Implementation Agreement Effective Date	Detail Project Management Plan	Unit & Integration Testing		Market Simulation Testing	Parallel Operations Testing	EIM Go-Live: March 1, 2022
EIM Projects	Projects - Identify	Projects - Define/Integrate	Projects - Deliver		Post go-live evaluation		

*Phase V will not start until the rates and tariff process concludes and a letter is drafted. Phase V must also be complete before the start of parallel operations.

- **Five EIM-specific grid modernization projects include:**

- EIM Bid & Base Scheduling
- EIM Settlements Implementation
- EIM Real-time Operations
- EIM Training Project
- EIM Testing Program

More Information

On grid modernization:

www.bpa.gov/goto/gridmodernization

On EIM:

www.bpa.gov/goto/eim

Appendix

Slice Reporting Composite Cost Pool Review Forecast of Annual Slice True-Up Adjustment

Q1 Forecast of FY 2020 Slice True-Up Adjustment

	FY 2020 Forecast \$ in thousands
February 11, 2020 First Quarter Technical Workshop	\$(4,524)*
May 12, 2020 Second Quarter Technical Workshop	
August 13, 2020 Third Quarter Technical Workshop	
November 17, 2020 Fourth Quarter Technical Workshop	

*Negative = Credit; Positive = Charge

Summary of Differences From Q1 Forecast to FY 20 (BP-20)

#		^A Composite Cost Pool True-Up Table Reference	^B QTR4 – Rate Case \$ in thousands
1	Total Expenses	Row 95	\$(53,141)
2	Total Revenue Credits	Rows 113 + 122	\$5,200
3	Minimum Required Net Revenue	Row 144	\$39,533
4	TOTAL Composite Cost Pool (1 - 2 + 3) \$(53,141) - \$5,200 + \$39,533 = (18,808)	Row 149	\$(18,808)
5	TOTAL in line 4 divided by <u>0.9451467</u> sum of TOCAs \$(18,808)/ <u>0.9451467</u> = \$(19,900)	Row 151	\$(19,900)
6	QTR Forecast of FY 20 True-up Adjustment 22.7358 percent of Total in line 5 0.227358 * \$(19,900) = \$(4,524)	Row 152	\$(4,524)

FY20 Impacts of Debt Management Actions

<u>FY20 Impacts of Acceleration of Debt</u>		A	B	C	D
<u>#</u>	<u>Description</u>	<u>FY20 Q1 QBR</u>	<u>FY20 Rate Case</u>	<u>CCP</u>	<u>Delta from the FY20 rate case</u>
1	Expense Offset				
2	FY20 Energy Efficiency Offset	\$ -	\$ -		
3	2020 DSR	\$ (1,506,974)	\$ (1,506,974)		\$ -
4	Total Expense Offset	\$ (1,506,974)	\$ (1,506,974)	row 81	\$ -
					\$ -
5	<u>MRNR Section of Composite Cost Pool Table</u>				\$ -
6	Principal Payment of Federal Debt				\$ -
7	2020 Regional Cooperation Debt (RCD)	\$ 18,803,026	\$ 21,148,026		\$ 2,345,000
8	2020 Debt Service Reassignment (DSR)	\$ 1,506,974	\$ 1,506,974		\$ -
9	Prepay	\$ -	\$ -		\$ -
10	Energy Northwest's Line Of Credit (LOC)	\$ -	\$ -		\$ -
11	Rate Case Scheduled Base Power Principal	\$ 151,000,000	\$ 151,000,000		\$ -
12	Total Principal Payment of Fed Debt	\$ 171,310,000	\$ 173,655,000	row 125	\$ 2,345,000
					\$ -
13	Repayment of Non-Federal Obligations	\$ 227,000,000	\$ 227,000,000	row 126	\$ -
					\$ -
14	Customer Proceeds	\$ -	\$ -	row 135	\$ -
15	Non-Cash Expenses	\$ -	\$ -	row 134	\$ -
16	Nonfederal Bond Principal Payment	\$ 41,581,000	\$ 41,581,000	row 127	\$ -

Variances Related to Debt Management Actions and Variances Related to Non-Debt

These slides have been removed. The Debt Management Actions are now modeled in the Rate Case and are included in the Composite Cost Pool Table.

Composite Cost Pool Interest Credit

Allocation of Interest Earned on the Bonneville Fund (\$ in thousands)

Q1 2020

1	Fiscal Year Reserves Balance	570,255
2	Adjustments for pre-2002 Items	<u>16,341</u>
3	Reserves for Composite Cost Pool (Line 1 + Line 2)	586,596
4	Composite Interest Rate	0.68%
5	Composite Interest Credit	(3,989)
6	Prepay Offset Credit	0
7	Total Interest Credit for Power Services	(8,818)
8	Non-Slice Interest Credit (Line 7 – (Line 5 + Line 6))	(4,829)

Net Interest Expense in Slice True-Up Forecast

	FY20 Rate Case	Q1 Forecast
	<u>(\$ in thousands)</u>	<u>(\$ in thousands)</u>
• Federal Appropriation	44,686	45,800
• Capitalization Adjustment	(45,937)	(45,937)
• Borrowings from US Treasury	61,157	61,591
• Prepay Interest Expense	9,826	9,826
• Interest Expense	69,733	71,280
• AFUDC	(15,904)	(15,031)
• Interest Income (composite)	(13,777)	(3,989)
• Prepay Offset Credit	(0)	(0)
• Total Net Interest Expense	40,052	52,260

Proposed Schedule for Slice True-Up Adjustment for Composite Cost Pool True-Up Table and Cost Verification Process

Dates	Agenda
February 11, 2020	First Quarter Technical Workshop
May 12, 2020	Second Quarter Technical Workshop
August 13, 2020	Third Quarter Technical Workshop
October 2020	BPA External CPA firm conducting audit for fiscal year end
Mid-October 2020	Recording the Fiscal Year End Slice True-Up Adjustment Accrual
End of October	Final audited actual financial data is expected to be available
November 13, 2020	Mail notification to Slice Customers of the Slice True-Up Adjustment for the Composite Cost Pool
November 17, 2020	BPA to post Composite Cost Pool True-Up Table containing actual values and the Slice True-Up Adjustment
November 17, 2020	Fourth Quarter Business Review and Technical Workshop Meeting Provide Slice True-Up Adjustment for the Composite Cost Pool (this is the number posted in the financial system; the final actual number may be different)
December 10, 2020	Deadline for customers to submit questions about actual line items in the Composite Cost Pool True-Up Table with the Slice True-Up Adjustment for inclusion in the Agreed Upon Procedures (AUPs) Performed by BPA external CPA firm (customers have 15 business days following the BPA posting of Composite Cost Pool Table containing actual values and the Slice True-Up Adjustment)
December 24, 2020	BPA posts a response to customer questions (Attachment A does not specify an exact date)
January 11, 2021	Customer comments are due on the list of tasks (The deadline can not exceed 10 days from BPA posting)
February 2, 2021	BPA finalizes list of questions about actual lines items in the Composite Cost Pool True-Up Table for the AUPs

COMPOSITE COST POOL TRUE-UP TABLE				
		Q1	Rate Case forecast	Q1- Rate Case
		(\$000)	for FY 2020	Difference
			(\$000)	
1	Operating Expenses			
2	Power System Generation Resources			
3	Operating Generation			
4	COLUMBIA GENERATING STATION (WNP-2)	\$ 263,735	\$ 262,471	\$ 1,264
5	BUREAU OF RECLAMATION	\$ 153,609	\$ 153,609	\$ -
6	CORPS OF ENGINEERS	\$ 252,557	\$ 252,557	\$ -
7	LONG-TERM CONTRACT GENERATING PROJECTS	\$ 11,583	\$ 12,709	\$ (1,126)
8	Sub-Total	\$ 681,483	\$ 681,345	\$ 138
9	Operating Generation Settlement Payment and Other Payments			
10	COLVILLE GENERATION SETTLEMENT	\$ 17,600	\$ 22,997	\$ (5,397)
11	SPOKANE LEGISLATION PAYMENT	\$ -	\$ -	\$ -
12	Sub-Total	\$ 17,600	\$ 22,997	\$ (5,397)
13	Non-Operating Generation			
14	TROJAN DECOMMISSIONING	\$ 935	\$ 1,200	\$ (265)
15	WNP-1&3 DECOMMISSIONING	\$ 1,182	\$ 431	\$ 751
16	Sub-Total	\$ 2,117	\$ 1,631	\$ 486
17	Gross Contracted Power Purchases			
18	PNCA HEADWATER BENEFITS	\$ 2,909	\$ 3,100	\$ (191)
19	OTHER POWER PURCHASES (omit, except Designated Obligations or Purchases)	\$ (9,446)	\$ -	\$ (9,446)
20	Sub-Total	\$ (6,537)	\$ 3,100	\$ (9,637)
21	Bookout Adjustment to Power Purchases (omit)			
22	Augmentation Power Purchases (omit - calculated below)			
23	AUGMENTATION POWER PURCHASES	\$ -	\$ -	\$ -
24	Sub-Total	\$ -	\$ -	\$ -
25	Exchanges and Settlements			
26	RESIDENTIAL EXCHANGE PROGRAM (REP)	\$ 249,767	\$ 249,767	\$ 0
27	OTHER SETTLEMENTS	\$ -	\$ -	\$ -
28	Sub-Total	\$ 249,767	\$ 249,767	\$ 0
29	Renewable Generation			\$ -
30	RENEWABLES (excludes Kill)	\$ 28,904	\$ 26,475	\$ 2,429
31	Sub-Total	\$ 28,904	\$ 26,475	\$ 2,429
32	Generation Conservation			
33	CONSERVATION ACQUISITION	\$ 71,690	\$ 67,000	\$ 4,690
34	CONSERVATION INFRASTRUCTURE	\$ 27,121	\$ 27,296	\$ (175)
35	LOW INCOME WEATHERIZATION & TRIBAL	\$ 5,739	\$ 5,739	\$ -
36	ENERGY EFFICIENCY DEVELOPMENT	\$ 8,000	\$ 8,000	\$ -
37	DR & SMART GRID	\$ 914	\$ 855	\$ 59
38	LEGACY	\$ 590	\$ 590	\$ -
39	MARKET TRANSFORMATION	\$ 12,181	\$ 12,050	\$ 131
40	Sub-Total	\$ 126,235	\$ 121,530	\$ 4,705
41	Power System Generation Sub-Total	\$ 1,099,569	\$ 1,106,845	\$ (7,276)

COMPOSITE COST POOL TRUE-UP TABLE				
		Q1 (\$000)	Rate Case forecast for FY 2020 (\$000)	Q1- Rate Case Difference
42				
43	Power Non-Generation Operations			
44	Power Services System Operations			
45	EFFICIENCIES PROGRAM	\$ -	\$ -	\$ -
46	INFORMATION TECHNOLOGY	\$ 922	\$ 6,714	\$ (5,792)
47	GENERATION PROJECT COORDINATION	\$ 3,662	\$ 6,059	\$ (2,397)
48	ASSET MGMT ENTERPRISE SVCS	\$ 80	\$ -	\$ 80
49	SLICE IMPLEMENTATION	\$ 900	\$ 555	\$ 345
50	Sub-Total	\$ 5,565	\$ 13,329	\$ (7,764)
51	Power Services Scheduling			
52	OPERATIONS SCHEDULING	\$ 8,769	\$ 8,806	\$ (38)
53	OPERATIONS PLANNING	\$ 7,919	\$ 5,643	\$ 2,276
54	Sub-Total	\$ 16,687	\$ 14,449	\$ 2,238
55	Power Services Marketing and Business Support			
56	COMMERCIAL ENTERPRISE SVCS	\$ 6,010	\$ -	\$ 6,010
57	OPERATIONS ENTERPRISE SVCS	\$ 2,605	\$ -	\$ 2,605
58	POWER R&D	\$ 2,527	\$ 2,662	\$ (135)
59	SALES & SUPPORT	\$ 19,933	\$ 23,191	\$ (3,258)
60	STRATEGY, FINANCE & RISK MGMT (REP support costs included here)	\$ 14,925	\$ 16,905	\$ (1,980)
61	EXECUTIVE AND ADMINISTRATIVE SERVICES (REP support costs included here)	\$ 2,554	\$ 3,880	\$ (1,327)
62	CONSERVATION SUPPORT	\$ 8,733	\$ 8,399	\$ 333
63	Sub-Total	\$ 57,288	\$ 55,038	\$ 2,250
64	Power Non-Generation Operations Sub-Total *	\$ 79,539	\$ 82,815	\$ (3,276)
65	Power Services Transmission Acquisition and Ancillary Services			
66	TRANSMISSION and ANCILLARY Services - System Obligations	\$ 32,028	\$ 32,028	\$ -
67	3RD PARTY GTA WHEELING	\$ 80,000	\$ 96,200	\$ (16,200)
68	POWER 3RD PARTY TRANS & ANCILLARY SVCS (Composite Cost)	\$ 2,338	\$ 2,338	\$ 0
69	TRANS ACQ GENERATION INTEGRATION	\$ 13,577	\$ 13,577	\$ -
70	TELEMETERING/EQUIP REPLACEMENT	\$ -	\$ -	\$ -
71	Power Services Trans Acquisition and Ancillary Serv Sub-Total	\$ 127,943	\$ 144,143	\$ (16,200)
72	Fish and Wildlife/USF&W/Planning Council/Environmental Req			
73	Fish & Wildlife	\$ 249,603	\$ 249,603	\$ (0)
74	USF&W Lower Snake Hatcheries	\$ 30,483	\$ 30,483	\$ -
75	Planning Council	\$ 11,522	\$ 11,725	\$ (203)
76	Environmental Requirements	\$ -	\$ -	\$ -
77	Fish and Wildlife/USF&W/Planning Council Sub-Total	\$ 291,608	\$ 291,811	\$ (203)
78	BPA Internal Support			
79	Additional Post-Retirement Contribution	\$ 19,577	\$ 19,577	\$ -
80	Agency Services G&A (excludes direct project support)	\$ 54,546	\$ 57,859	\$ (3,313)
81	BPA Internal Support Sub-Total	\$ 74,122	\$ 77,436	\$ (3,313)
82	Bad Debt Expense	\$ -	\$ -	\$ -
83	Other Income, Expenses, Adjustments	\$ 4,690	\$ -	\$ 4,690
84	Depreciation	\$ 141,000	\$ 138,968	\$ 2,032
85	Amortization	\$ 302,800	\$ 345,589	\$ (42,789)
86	Accretion (CGS)	\$ 33,200	\$ 33,738	\$ (538)
87	Total Operating Expenses	\$ 2,154,472	\$ 2,221,345	\$ (66,873)
88				

* The Residential Exchange Program Support costs have been moved from the Residential Exchange line into the respective Non-Gen Ops programs of Strategy, Finance & Risk Mgmt. and Executive and Administrative Services. This is a net zero impact but is different than what was shown in the final proposal rate case in Table F for these line items

COMPOSITE COST POOL TRUE-UP TABLE

		Q1 (\$000)	Rate Case forecast for FY 2020 (\$000)	Q1- Rate Case Difference
89	Other Expenses and (Income)			
90	Net Interest Expense	\$ 283,920	\$ 270,654	\$ 13,266
91	LDD	\$ 38,996	\$ 38,505	\$ 490
92	Irrigation Rate Discount Costs	\$ 20,880	\$ 20,905	\$ (24)
93	Other Expense and (Income)	\$ -	\$ -	
94	Sub-Total	\$ 343,796	\$ 330,064	\$ 13,732
95	Total Expenses	\$ 2,498,268	\$ 2,551,409	\$ (53,141)
96				
97	Revenue Credits			
98	Generation Inputs for Ancillary, Control Area, and Other Services Revenues	\$ 116,871	\$ 119,815	\$ (2,944)
99	Downstream Benefits and Pumping Power revenues	\$ 20,533	\$ 19,364	\$ 1,169
100	4(h)(10)(c) credit	\$ 101,928	\$ 86,250	\$ 15,678
101	Colville and Spokane Settlements	\$ 4,600	\$ 4,600	\$ -
102	Energy Efficiency Revenues	\$ 8,000	\$ 8,000	\$ -
103	PF Load Forecast Deviation Liquidated Damages	\$ 1,493	\$ 9,499	\$ (8,006)
104	Miscellaneous revenues	\$ 11,910	\$ 12,362	\$ (452)
105	Renewable Energy Certificates	\$ -	\$ -	\$ -
106	Net Revenues from other Designated BPA System Obligations (Upper Baker)	\$ 352	\$ 353	\$ (1)
107	RSS Revenues	\$ 2,728	\$ 2,728	\$ -
108	Firm Surplus and Secondary Adjustment (from Unused RHHM)	\$ 68,746	\$ 68,746	\$ -
109	Balancing Augmentation Adjustment	\$ 1,213	\$ 1,213	\$ -
110	Transmission Loss Adjustment	\$ 30,066	\$ 30,066	\$ -
111	Tier 2 Rate Adjustment	\$ 510	\$ 510	\$ -
112	NR Revenues	\$ 1	\$ 1	\$ (0)
113	Total Revenue Credits	\$ 368,951	\$ 363,507	\$ 5,444
114				\$ -
115	Augmentation Costs (not subject to True-Up)			
116	Tier 1 Augmentation Resources (includes Augmentation RSS and Augmentation RSC ad	\$ 12,367	\$ 12,367	\$ -
117	Augmentation Purchases	\$ -	\$ -	\$ -
118	Total Augmentation Costs	\$ 12,367	\$ 12,367	\$ -
119				
120	DSI Revenue Credit			
121	Revenues 12 aMW @ IP rate	\$ 4,059	\$ 4,303	\$ (244)
122	Total DSI revenues	\$ 4,059	\$ 4,303	\$ (244)
123				
124	Minimum Required Net Revenue Calculation			
125	Principal Payment of Fed Debt for Power	\$ 171,310	\$ 173,072	\$ (1,762)
126	Repayment of Non-Federal Obligations (EN Line of Credit)	\$ 227,000	\$ 227,000	\$ -
127	Repayment of Non-Federal Obligations (CGS, WNP1, WNP3, N. Wasco, Cowlitz Falls)	\$ 41,581	\$ 41,581	\$ -
128	Irrigation assistance	\$ 24,331	\$ 24,331	\$ -
129	Sub-Total	\$ 464,222	\$ 465,984	\$ (1,762)

COMPOSITE COST POOL TRUE-UP TABLE

		Q1 (\$000)	Rate Case forecast for FY 2020 (\$000)	Q1- Rate Case Difference
130	Depreciation	\$ 141,000	\$ 138,968	\$ 2,032
131	Amortization	\$ 302,800	\$ 345,589	\$ (42,789)
132	Accretion	\$ 33,200	\$ 33,738	
133	Capitalization Adjustment	\$ (45,937)	\$ (45,937)	\$ -
134	Non-Cash Expenses	\$ -	\$ -	\$ -
135	Customer Proceeds	\$ -	\$ -	\$ -
136	Cash freed up by DSR refinancing	\$ 16,590	\$ 16,590	\$ -
137	Prepay Revenue Credits	\$ (30,600)	\$ (30,600)	\$ -
138	Non-Federal Interest (Prepay)	\$ 9,826	\$ 9,826	\$ -
139	Contribution to decommissioning trust fund	\$ (4,100)	\$ (4,100)	\$ -
140	Gains/losses on decommissioning trust fund	\$ (5,052)	\$ (5,052)	\$ -
141	Interest earned on decommissioning trust fund	\$ (8,818)	\$ (8,818)	\$ -
142	Sub-Total	\$ 408,910	\$ 450,204	\$ (41,295)
143	Principal Payment of Fed Debt plus Irrigation assistance exceeds non cash expenses	\$ 55,312	\$ 15,780	\$ 39,533
144	Minimum Required Net Revenues	\$ 55,312	\$ 15,780	\$ 39,533
145				
146	Annual Composite Cost Pool (Amounts for each FY)	\$ 2,192,937	\$ 2,211,745	\$ (18,808)
147				
148	SLICE TRUE-UP ADJUSTMENT CALCULATION FOR COMPOSITE COST POOL			
149	TRUE-UP AMOUNT (Diff. between Rate Case and Forecast)	(18,808)		
150	Sum of TOCAs	0.9451467		
151	Adjustment of True-Up Amount when actual TOCAs < 100 percent	(19,900)		
152	TRUE-UP ADJUSTMENT CHARGE BILLED (22.7358 percent)	(4,524)		

Q & A Session

Financial Disclosures

This information has been made publicly available by BPA on February 7, 2020 and does not contain Agency-approved Financial Information.